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DOE/NV-209-REV-14

United States Nuclear Tests

19950301 064

July 1945 Through September 1992

This document lists chronologically and alphabetically by name all nuclear tests and simultaneous detonations conducted by the United States from July 1945 through September 1992. Several tests conducted during Operation Dominic involved missile launches from Johnston Atoll. Several of these missile launches were aborted, resulting in the destruction of the missile and nuclear device either on the pad or in the air.

On August 5, 1963, the United States and the former Soviet Union signed the Limited Test Ban Treaty which effectively banned testing of nuclear weapons in the atmosphere, the oceans, and space. In 1974 and 1976, the United States and former Soviet Union also signed the Threshold Test Ban Treaty and the Peaceful Nuclear Explosions Treaty, respectively, restricting all nuclear test explosions to yields no greater than 150 kilotons. On December 7, 1993 and June 27, 1994, the Secretary of Energy declassified information related to previously unannounced nuclear weapons tests; simultaneous detonations associated with nuclear weapons tests; yields of an additional 77 atmospheric tests; and yields of 20 underground nuclear weapons tests that released radioactivity detected off the Nevada Test Site. Data on United States tests were obtained from, and verified by, the Department of Energy's three weapons laboratories -- Los Alamos National Albuquerque, New Mexico; and the Defense Nuclear Agency. Additionally, data were obtained from public announcements issued by the Atomic Laboratory, Los Alamos, New Mexico; Lawrence Livermore National Laboratory, Livermore, California; and Sandia National Laboratories, Energy Commission and its successors, the Energy Research and Development Administration, and the Department of Energy, respectively.

Test Dates

Time and date for all tests listed in this document were converted from local time to Greenwich Civil Time (GCT). The test date listed is the GCT date for the test

Test Series

Each series of tests is given a name such as Operation Crossroads. United States nuclear tests were conducted on an intermittent basis from June 1946 to October 1958. On October 31, 1958, the United States entered into a unilateral testing moratorium announced by President Eisenhower with the understanding that the former Soviet Union also would refrain from conducting tests. The Soviet Union resumed testing in September 1961 with a series of the largest tests ever conducted.

tests have been grouped for fiscal and reporting purposes according to the fiscal year in which they took place. For example, fiscal year 1963 On September 15, 1961, the United States resumed testing at the NTS on a year-round basis with Operation Nougat. From that time to the present, tests -- which began July 1, 1962 and extended through June 30, 1963 -- were in the Operation Storax series. Between April and November of 1962, the United States conducted Operation Dominic, which included the Department of Defense (DoD) Operation Fishbowl high-altitude tests in the Pacific. The DoD also conducted four weapons effects tests at the NTS in July 1962 as Operation Sunbeam.

In 1976, the federal government changed the fiscal year to begin on October 1 and end on September 30. Accordingly, the fiscal year 1976 series, Operation Anvil, did not end on June 30, but was extended through September 30, 1976 -- a period of 15 months. On October 2, 1992, the United States entered into another unilateral moratorium on nuclear weapons testing announced by President Bush. President Clinton extended this moratorium in July 1993, and again in March 1994 until September 1995.

Test Yields

The nomenclature for test yields varied according to information policy governing specific years. In some cases, no yield information has been released; in a few cases, the terms "very slight" and "slight" were used without amplification. Except for tests where specific yields or relative specific yields such as "about 2 kt," "several Mt," "less than 0.1 kt," etc., were announced, test yields are given in these terms:

During a series of high-yield tests conducted during this month, two

March 1976

ranges were added, and the 200 to 1,000 kt range was dropped.

1945 through 1963

Low (less than 20 kt)
Intermediate (20 to 200 kt)
Submegaton (less than 1 Mt, but more than 200 kt)
Low Megaton (from 1 to several Mt)
Megaton Range

1964 through February 1976

Less than 20 kt 20 to 200 kt 200 to 1,000 kt

Since March 1976

200 to 500 kt 500 to 1,000 kt On March 31, 1976, the former Soviet Union and the United States agreed to limit the maximum yield of underground tests to 150 kt. The yield ranges now reported are:

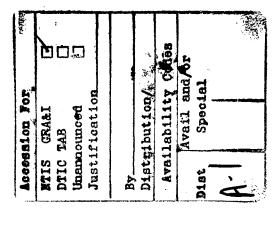
Less than 20 kt Less than 150 kt 20 to 150 kt

Test Locations

The first test of a nuclear weapon was in the atmosphere on July 16, 1945, in a remote part of New Mexico on what was then the Alamogordo Bombing Range, and is now the White Sands Missile Range. The site is 55 miles northwest of Alamogordo, New Mexico. At various times between Johnston Atoll in the Pacific Ocean, and over the South Atlantic Ocean. Between January 1951 and July 1962, atmospheric and underground June 1946 and November 1962, atmospheric and underground tests were conducted by the United States in the Marshall Islands, Christmas Island, nuclear tests were conducted at the NTS. Since July 1962, all nuclear tests conducted in the United States have been underground, and most of them have been at the NTS. Some tests were conducted on the Nellis Air Force Range (NAFR); in central and northwestern Nevada; in Colorado, New Mexico, and Mississippi; and on Amchitka, one of the Aleutian Islands off the coast of Alaska.

Test Types and Purposes

detonation such as tower, tunnel, airdrop, etc. Purpose indicates whether the test was part of the weapons development program, a DoD effects test, a joint United States-United Kingdom (US-UK) test, or was part of some special program that involved the use of nuclear devices. In the Summary, the sum of all tests conducted underground (tunnel, shaft, and crater events) appears as Total Underground. With the exception of The definition of terms used in this document appears in the Glossary. Type refers to the method of deployment of the nuclear device at time of five underwater tests, the remaining tests appear as Total Atmospheric.



Detection of Radioactivity from Nevada Test Site Events

Unless otherwise noted, all nuclear tests at the NTS or the Nellis Air Force Range (NAFR) to September 15, 1961 produced radioactivity detected off site. Unless otherwise noted, no test at the NTS or the NAFR on or after September 15, 1961 had a release of radioactivity that was detected off site. The release of radioactivity from a test can occur:

- Accidentally as a result of a containment failure.
- Accidentally or deliberately as a result of post-event operations.
- Deliberately as a result of post-event controlled purging of gases from a tunnel.

operations are not reported in this document unless detected off site, since they are carefully monitored. These releases are listed in DOE/NV-317, All releases resulting from a containment failure, even if not detected off site, are reported. Radiation releases resulting from tunnel purging or normal Radiological Effluents Released from U.S. Continental Tests.

Purposes of U.S. Tests

Past tests have been described as being for one of seven purposes (see page viii). With the declassification of all previous simultaneous detonations, purpose is now attributed to each detonation. Weapons related tests were conducted to gather data on nuclear devices; weapons effects tests were conducted, usually by the DoD, to determine the effects of nuclear detonations on military offensive and defensive systems; and tests conducted for the United Kingdom (UK) are shown as "Joint US-UK."

Glossary

Airburst	The explosion of a nuclear weapon at such a height that the expanding fireball does not touch the earth's surface prior to the time the fireball reaches its maximum luminosity. The airburst reported in this document resulted from the detonation of a device fired from a 280mm cannon.
Airdrop	A nuclear device dropped from an aircraft and exploded in the atmosphere.
Atmospheric	A test conducted aboveground or above water; i.e., in the open air.
Balloon	A nuclear device suspended from a balloon and exploded in the atmosphere.
Barge	A nuclear device exploded from a barge moored in the lagoon at Enewetak or Bikini.
Crater	A nuclear device placed shallow enough underground to produce a throw-out of earth when exploded.
Detonation	A single nuclear device explosion; one or more comprise a test.
Joint US-UK	A nuclear test conducted jointly by the United States and the United Kingdom under a cooperative agreement in effect between the two countries since August 4, 1958.
ᅶ	A kiloton. The energy of a nuclear explosion that is equivalent the explosive power of 1,000 tons of TNT.
Mt	A megaton. The energy of a nuclear explosion that is equivalent to the explosive power of one million tons of TNT.
NTS	The Nevada Test Site, a 1,350-square-mile area in southern Nevada in Nye County and about 65 miles northwest of Las Vegas.
Off Site	Off site is any place outside the Test Range Complex.
On Site	A notation that <i>radioactivity was detected on site only</i> is made for any test from which there was an unplanned release of radioactivity into the atmosphere that was not detectable beyond the boundaries of the Test Range Complex.
Plowshare	Application of nuclear explosives to develop peaceful uses for atomic energy. The program is no longer active.
Rocket	A nuclear device launched by rocket and exploded in the atmosphere.

Event conducted underground in an unstemmed hole to minimize, but not eliminate, the release of radioactivity to the A nuclear device exploded at the bottom of a drilled or mined vertical hole. Some safety tests were set off at the A test is defined in the Threshold Test Ban Treaty as either a single underground nuclear explosion conducted at a atmosphere. Because incandescent gases were released, this was sometimes referred to as a "Roman candle" effect. Experiment designed to confirm a nuclear explosion will not occur in case of an accidental detonation of the explosive The yield of a nuclear device is a measure of the amount of energy released when it explodes. It is stated in terms of the quantity of TNT that would produce the same amount of explosive energy. A ton is equivalent to one ton of A nuclear device exploded at the end of a long horizontal drift mined into a mountain or mesa in a way that places Detonations of combinations of high explosives and nuclear materials designed to study distribution of nuclear Underground nuclear test conducted in a tunnel or at the bottom of a drilled hole or shaft. Some underground nuclear test site, or two or more underground nuclear explosions conducted within an area delineated by a circle having An area that includes both the Nevada Test Site and the adjacent Government-controlled Nellis Air Force Range. A nuclear device mounted at the top of a steel or wooden tower and exploded in the atmosphere. diameter of two kilometers and conducted within a total period of time not to exceed 0.1 second. ests were not designed to contain all radioactivity; e.g., cratering tests or safety experiments. materials during accidents in several transportation and storage configurations. bottom of unstemmed drilled holes, producing a "Roman candle" effect. A nuclear test to evaluate seismic effects of an underground explosion. A nuclear device placed on or close to the earth's surface. A nuclear test conducted underwater. the burst point deep within the earth. associated with the device. A "hydrogen bomb." Storage-Transportation Thermonuclear Device Test Range Complex Seismic Calibration Safety Experiment Roman Candle Underground Underwater Surface Tunnel Tower Shaft Test Ton

Department of Defense (DoD) program designed to improve the capability to detect, identify, and locate underground nuclear explosions.	An event on which the Russian government exercised its right to verify under the terms of the Threshold Test Ban Treaty.	A nuclear test to evaluate the civil or military effects of a nuclear detonation on various targets, such as military hardware.	A nuclear detonation conducted for the purpose of testing a nuclear device intended for a specific type of weapon system.	The total effective energy released in a nuclear explosion. It is usually expressed in terms of equivalent tonnage of TNT required to produce the same energy release in an explosion.
Vela Uniform	Verification Event	Weapons Effects	Weapons Related	Yield

						United States Nuclear Tests	ar Test	<u> </u>			
-	[otal	Tests by	Total Tests by Calendar Year	Year		Total Tests by Location	Location		Total Tests by Type	Type	
	Sn	US-UK		SN	US-UK		SN	US-UK		SN	US-UK
CY 1945	-	0	CY 1969	46	0	Pacific	4	0	Tunnel		0
CY 1946	.2	0	CY 1970	39	0	Johnston Island	12	0	Shaft	739	24
CY 1947	0	0	CY 1971	24	0	Enewetak	43	0	Crater	6	0
CY 1948	က	0	CY 1972	27	0	Bikini	23	0	Total Underground	815	24
CY 1949	0	0	CY 1973	24	0	Christmas Island	24	0			
CY 1950	0	0	CY 1974	22	-	Total Pacific	106	0	Airburst	-	0
CY 1951	16	0	CY 1975	22	0				Airdrop	52	0
CY 1952	10	0	CY 1976	50	-	Total S. Atlantic	က	0	Baltoon	25	0
CY 1953	Ξ	0	CY 1977	20	0				Barge	36	0
CY 1954	9	0	CY 1978	19	8	Underground	804	24	Rocket	12	0
CY 1955	18	0	CY 1979	15	-	Atmospheric	100	0	Surface	28	0
CY 1956	8	0	CY 1980	14	က	Total NTS	904	24	Tower	26	0
CY 1957	32	0	CY 1981	16	-				Total Atmospheric	210	0
CY 1958	77	0	CY 1982	18	-	Central Nevada	-	0			
CY 1959	0	0	CY 1983	18	-	Amchitka, Alaska	က	0	Total Underwater	5	0
CY 1960	0	0	CY 1984	18	2	Alamogordo, New Mexico	-	0	Total Tests	1,030	24
CY 1961	10	0	CY 1985	17	~	Carlsbad, New Mexico	-	0	Total Detonations by Purpose	y Purpos	6
CY 1962	96	7	CY 1986	14	-	Hattiesburg, Mississippi	8	0		Detor	Detonations
CY 1963	47	0	CY 1987	14	-	Farmington, New Mexico	-	0	Joint US-UK		24
CY 1964	45	N	CY 1988	15	0	Grand Valley, Colorado	-	0	Plowshare		35
CY 1965	38	-	CY 1989	Ξ	-	Rifle, Colorado	-	0	Safety Experiment		88
CY 1966	48	0	CY 1990	80	-	Fallon, Nevada	· •	0	Storage-Transportation		4
CY 1967	42	0	CY 1991	7	-	Nellis Air Force Range	2	0	Vela Uniform		7
CY_1968	- 56	0	CY 1992	9	0	Total Other	17	0	Weapaons Effects		86
Total Tests				1,030	24	Total Tests	1,030	24	Weapons Related	8	883

NOTE: Totals do not include two combat uses of nuclear weapons, which are not considered "tests." The first combat detonation was a 15 kt weapon airdropped 08/09/45 at Nagasaki, Japan.

6		
Yield Range	+:	
d R	21 kt	
Yiel		
Se	lated	
Purpose	Veapons Related	
Pt	apon	
	We	
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3y Dat	.e.r	
3y 	Tower	
States Nuclear Tests By Date (GCT) Location Type		
its	Alamogordo, New Mexico	
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cle: L	ogor	
אר א	Alam	
Sé		
States (GCT)	6/45	
S 0	7/16/	
ted Date	0	
United Date		
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Je	clear	
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	st of	
	ity First test of a nuclear weapon	
	Trinity Fir	
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This document is a compilation of all nuclear tests and simultaneous detonations that the United States has conducted. However, the two nuclear weapons that the United States exploded over Japan ending World War II are not listed. These were not "tests" in the sense that they were conducted to prove that the weapon would work as designed (as was the first test near Alamogordo, New Mexico on July 16, 1945) or to advance weapon design, to determine weapons effects, or to verify weapon safety as were the more than one thousand tests that have taken place since June 30, 1946. The nuclear weapon dropped August 5, 1945, from a U.S. Army Air Force B-29 bomber and detonated over Hiroshima, Japan had an energy yield equivalent to that of 15,000 tons of TNT. Both detonations were intended to end World War II as quickly as possible.

		Ope	Operation Crossroads			
2	Able	06/30/46	Bikini	Airdrop	Weapons Effects	21 kt
က	Baker	07/24/46	Bikini	Underwater	Weapons Effects	21 kt
)do	Operation Sandstone			
4	X-ray	04/14/48	Enewetak	Tower	Weapons Related	37 kt
ည	Yoke	04/30/48	Enewetak	Tower	Weapons Related	49 kt
ဖ	Zebra	05/14/48	Enewetak	Tower	Weapons Related	18 kt
		0	Operation Ranger			
7	Able	01/27/51	NTS	Airdrop	Weapons Related	1 kt
8	Baker	01/28/51	NTS	Airdrop	Weapons Related	8 kt
6	Easy	02/01/51	NTS	Airdrop	Weapons Related	1 kt
10	Baker-2	02/02/51	NTS	Airdrop	Weapons Related	8 kt
11	Fox	02/06/51	NTS	Airdrop	Weapons Related	22 kt
		Ope	Operation Greenhouse			
12	Dog	04/07/51	Enewetak	Tower	Weapons Related	81 kt
13	Easy	04/20/51	Enewetak	Tower	Weapons Related	47 kt
14	George First thermonuclear test explosion	05/08/51	Enewetak	Tower	Weapons Related	225 kt
15	Item First test of the boosting principle	05/24/51	Enewetak	Tower	Weapons Related	45.5 kt

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	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
	_	0	Operation Buster			
16	Able Radioactivity not detected off site	10/22/51	NTS	Tower	Weapons Related	Less than 0.1 kt
17	Baker	10/28/51	NTS	Airdrop	Weapons Related	3.5 kt
18	Charlie	10/30/51	NTS	Airdrop	Weapons Related	14 Kt
19	Dog	11/01/51	NTS	Airdrop	Weapons Related	21 kt
20	Easy	11/05/51	NTS	Airdrop	Weapons Related	31 Kt
		0	Operation Jangle			
21	Sugar	11/19/51	NTS	Surface	Weapons Effects	1.2 Kt
22	Uncle	11/29/51	NTS	Crater	Weapons Effects	1.2 Kt
		Operat	Operation Tumbler-Snapper	1	<u></u>	
23	Able	04/01/52	NTS	Airdrop	Weapons Effects	
24	Baker	04/15/52	NTS	Airdrop	Weapons Effects	1 Kt
25	Charlie	04/22/52	NTS	Airdrop	Weapons Related	31 kt
26	Dog	05/01/52	NTS	Airdrop	Weapons Related	19 kt
27	Easy	05/07/52	NTS	Tower	Weapons Related	12 kt
28	Fox	05/25/52	NTS	Tower	Weapons Related	11 Kt
29	George	06/01/52	NTS	Tower	Weapons Related	15 kt
30	Ном	06/05/52	NTS	Tower	Weapons Related	14 Kt
			Operation lvy			_
31	Mike Experimental thermonuclear device	10/31/52	Enewetak	Surface	Weapons Related	10.4 Mt
32	King	11/15/52	Enewetak	Airdrop	Weapons Related	500 kt
		Operat	Operation Upshot-Knothole		-	
33	Annie	03/17/53	NTS	Tower	Weapons Related	16 kt
34	Nancy	03/24/53	NTS	Tower	Weapons Related	24 kt
35	Ruth	03/31/53	NTS	Tower	Weapons Related	200 tons
36	Dixie	04/06/53	NTS	Airdrop	Weapons Related	######################################
37	Ray	04/11/53	NTS	Tower	Weapons Related	200 tons

		United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation Up	Operation Upshot-Knothole Continued	ntinued		
38	Badger	04/18/53	NTS	Tower	Weapons Related	23 kt
39	Simon	04/25/53	NTS	Tower	Weapons Related	43 kt
40	Encore	05/08/53	NTS	Airdrop	Weapons Effects	27 kt
41	Harry	05/19/53	NTS	Tower	Weapons Related	32 kt
42	Grable Fired from 280mm gun	05/25/53	NTS	Airburst	Weapons Related	15 kt
43	Climax	06/04/53	NTS	Airdrop	Weapons Related	61 kt
)	Operation Castle			
4	Bravo Experimental thermonuclear device	02/28/54	Bikini	Surface	Weapons Related	15 Mt
45	Romeo	03/26/54	Bikini	Barge	Weapons Related	11 Mt
46	Koon	04/06/54	Bikini	Surface	Weapons Related	110 kt
47	Union	04/25/54	Bikini	Barge	Weapons Related	6.9 Mt
48	Yankee	05/04/54	Bikini	Barge	Weapons Related	13.5 Mt
49	Nectar	05/13/54	Enewetak	Barge	Weapons Related	1.69 Mt
	1		Operation Teapot			
20	Wasp	02/18/55	NTS	Airdrop	Weapons Effects	1 kt
51	Moth	02/22/55	NTS	Tower	Weapons Related	2 kt
52	Tesla	03/01/55	NTS	Tower	Weapons Related	7 kt
53	Turk	03/07/55	NTS	Tower	Weapons Related	43 kt
54	Hornet	03/12/55	NTS	Tower	Weapons Related	4 kt
55	Bee	03/22/55	NTS	Tower	Weapons Related	8 kt
56	Ess	03/23/55	NTS	Crater	Weapons Effects	1 kt
57	Apple-1	03/29/55	NTS	Tower	Weapons Related	14 kt
58	Wasp Prime	03/29/55	NTS	Airdrop	Weapons Related	3 kt
29	HA (High Altitude) Named "HA" for "high altitude" in reference to its intended detonation at an altitude of 40,000 feet	04/06/55	NTS	Airdrop	Weapons Effects	ਝ ਲ
09	Post	04/09/55	NTS	Tower	Weapons Related	2 kt
61	Met	04/15/55	NTS	Tower	Weapons Effects	22 kt

63							
63		Test	Date (GCT)	Location	Туре	Purpose	Yield Range
63			Operati	Operation Teapot Continued	P.		
63	Apple-2		05/05/55	NTS	Tower	Weapons Related	29 kt
	Zucchini		05/15/55	NTS	Tower	Weapons Related	28 kt
			0	Operation Wigwam			
64	Wigwam North 29 degrees	gwam North 29 degrees, West 126 degrees	05/14/55	Pacific	Underwater	Weapons Effects	30 kt
			do	Operation Project 56			
65	Project 56 No. 1		11/01/55	NTS	Surface	Safety Experiment	Zero
99	Project 56 No. 2 Pu dispersal		11/03/55	NTS	Surface	Safety Experiment	Zero
67	Project 56 No. 3 Pu dispersal		11/05/55	NTS	Surface	Safety Experiment	No yield
89	Project 56 No. 4 Pu dispersal		01/18/56	NTS	Surface	Safety Experiment	Very slight
			ō	Operation Redwing			-
69	Lacrosse		05/04/56	Enewetak	Surface	Weapons Related	40 Kt
20	Cherokee First airdrop by U weapon	erokee First airdrop by U.S. of a thermonuclear weapon	05/20/56	Bikini	Airdrop	Weapons Related	3.8 Mt
71	Zuni		05/27/56	Bikini	Surface	Weapons Related	3.5 Mt
72	Yuma		05/27/56	Enewetak	Tower	Weapons Related	190 tons
73	Erie		05/30/56	Enewetak	Tower	Weapons Related	14.9 kt
74	Seminole		06/06/56	Enewetak	Surface	Weapons Related	13.7 kt
75	Flathead		06/11/56	Bikini	Barge	Weapons Related	365 kt
76	Blackfoot		06/11/56	Enewetak	Tower	Weapons Related	8 Kt
77	Kickapoo		06/13/56	Enewetak	Tower	Weapons Related	1.49 kt
78	Osage		06/16/56	Enewetak	Airdrop	Weapons Related	1.7 kt
79	Inca		06/21/56	Enewetak	Tower	Weapons Related	15.2 kt
80	Dakota		06/25/56	Bikini	Barge	Weapons Related	1.1 Mt
81	Mohawk		07/02/56	Enewetak	Tower	Weapons Related	360 kt
82	Apache		07/08/56	Enewetak	Barge	Weapons Related	1.85 Mt

		United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Redwing Continued	pe		
83	Navajo	07/10/56	Bikini	Barge	Weapons Related	4.5 Mt
84	Тема	07/20/56	Bikini	Barge	Weapons Related	5 Mt
85	Huron	07/21/56	Enewetak	Barge	Weapons Related	250 kt
		do	Operation Project 57			
86	Project 57 No. 1 Pu dispersal	04/24/57	NAFR	Surface	Safety Experiment	Zero
		do	Operation Plumbbob			
87	Boltzmann	05/28/57	NTS	Tower	Weapons Related	12 kt
88	Franklin	06/02/57	NTS	Tower	Weapons Related	140 tons
88	Lassen Radioactivity not detected off site	06/05/57	NTS	Balloon	Weapons Related	0.5 tons
06	Wilson	06/18/57	NTS	Balloon	Weapons Related	10 kt
16	Priscilla	06/24/57	NTS	Balloon	Weapons Related	37 kt
92	Coulomb-A Radioactivity not detected off site	07/01/57	NTS	Surface	Safety Experiment	Zero
93	роон	07/05/57	NTS	Balloon	Weapons Related	74 kt
94	Diablo	07/15/57	NTS	Tower	Weapons Related	17 kt
95	John Air-to-air missile	07/19/57	NTS	Rocket	Weapons Effects	About 2 kt
96	Kepler	07/24/57	NTS	Tower	Weapons Related	10 kt
97	Owens	07/25/57	NTS	Balloon	Weapons Related	9.7 kt
86	Pascal-A Unstemmed hole	07/26/57	NTS	Shaft	Safety Experiment	Slight
66	Stokes	08/07/57	NTS	Balloon	Weapons Related	19 kt
100	Saturn No radioactive release detected	08/10/57	NTS	Tunnel	Safety Experiment	Zero
101	Shasta	08/18/57	NTS	Tower	Weapons Related	17 kt
102	Doppler	08/23/57	NTS	Balloon	Weapons Related	11 Kt
103	Pascal-B Unstemmed hole No radioactive release detected	08/27/57	NTS	Shaft	Safety Experiment	Slight
104	Franklin Prime	08/30/57	NTS	Balloon	Weapons Related	4.7 kt

	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	Operation Plumbbob Continued	pen		
105	Smoky	08/31/57	NTS	Tower	Weanone Belated	17 77
106	Galileo	09/02/57	NTS	Tower	Weapons Related	44 KI
107	Wheeler	09/06/57	NTS	Balloon	Weapons Belated	107 tong
108	Coulomb-B	09/06/57	NTS	Surface	Safety Experiment	300 tons
109	Laplace	09/08/57	NTS	Balloon	Weanons Belated	2 2
110	Fizeau	09/14/57	NTS	Tower	Weapons Belated	7 - 7
111	Newton	09/16/57	NTS	Balloon	Weapons Related	12 kt
112	Raínier First detonation contained underground No radioactive release detected	09/19/57	NTS	Tunnel	Weapons Related	1.7 kt
113	Whitney	09/23/57	NTS	Tower	Weapons Related	19 kt
114	Charleston	09/28/57	NTS	Balloon	Weapons Related	12 kt
115	Morgan	10/07/57	NTS	Balloon	Weapons Related	8 kt
		do	Operation Project 58			_
116	Pascal-C Unstemmed hole Radioactivity not detected off site	12/06/57	NTS	Shaft	Safety Experiment	Slight
117	Coulomb-C	12/09/57	NTS	Surface	Safety Experiment	500 tone
Ī		ed0	Operation Project 58 A			Silot ooc
118	Venus No radioactive release detected	02/22/58	NTS	Tunnel	Safety Experiment	Less than 1 ton
119	Uranus No radioactive release detected	03/14/58	NTS	Tunnel	Safety Experiment	Less than 1 ton
		do	Operation Hardtack I	_	_	
	Note: Three DoD high-altitude tests in the Pacific		during Hardtack I were conducted as Operation Newsreel.	as Operation	Newsreel.	
120	Yucca North 12 degrees 37 minutes, East 163 degrees 01 minute DoD Test Operation Newsreel	04/28/58	Pacific	Balloon	Weapons Effects	1.7 kt
121	Cactus	05/05/58	Enewetak	Surface	Weapons Related	18 Kt
122	Fir	05/11/58	Bikini	Barge	Weapons Related	1.36 Mt
123	Butternut	05/11/58	Enewetak	Barge	Weapons Related	81 Kt

		7	United States	States Nuclear Tests	By Date		
	Test).	Date (GCT)	Location	Type	Purpose	Yield Range
			Operation	peration Hardtack I Continued	pe		
124	Коа		05/12/58	Enewetak	Surface	Weapons Related	1.37 Mt
125	Wahoo		05/16/58	Enewetak	Underwater	Weapons Effects	9 kt
126	Holly		05/20/58	Enewetak	Barge	Weapons Related	5.9 kt
127	Nutmeg		05/21/58	Bikini	Barge	Weapons Related	25.1 kt
128	Yellowwood		05/26/58	Enewetak	Barge	Weapons Related	330 kt
129	Magnolia		05/26/58	Enewetak	Barge	Weapons Related	57 kt
130	Tobacco		05/30/58	Enewetak	Barge	Weapons Related	11.6 kt
131	Sycamore		05/31/58	Bikini	Barge	Weapons Related	92 kt
132	Rose		06/02/58	Enewetak	Barge	Weapons Related	15 Kt
133	Umbrella		06/08/58	Enewetak	Underwater	Weapons Effects	8 kt
134	Maple		06/10/58	Bikini	Barge	Weapons Related	213 kt
135	Aspen		06/14/58	Bikini	Barge	Weapons Related	319 kt
136	Wainut		06/14/58	Enewetak	Barge	Weapons Related	1.45 Mt
137	Linden		06/18/58	Enewetak	Barge	Weapons Related	11 Kt
138	Redwood		06/27/58	Bikini	Barge	Weapons Related	412 kt
139	Elder		06/27/58	Enewetak	Barge	Weapons Related	880 kt
140	Oak		06/28/58	Enewetak	Barge	Weapons Related	8.9 Mt
141	Hickory		06/29/58	Bikini	Barge	Weapons Related	14 kt
142	Sequoia		07/01/58	Enewetak	Barge	Weapons Related	5.2 kt
143	Cedar		07/02/58	Bikini	Barge	Weapons Related	220 kt
144	Dogwood		07/05/58	Enewetak	Barge	Weapons Related	397 kt
145	Poplar		07/12/58	Bikini	Barge	Weapons Related	9.3 Mt
146	Scaevola		07/14/58	Enewetak	Barge	Safety Experiment	Zero
147	Pisonia		07/17/58	Enewetak	Barge	Weapons Related	255 kt
148	Juniper		07/22/58	Bikini	Barge	Weapons Related	65 kt
149	Olive		07/22/58	Enewetak	Barge	Weapons Related	202 kt
150	Pine		07/26/58	Enewetak	Barge	Weapons Related	2 Mt
151	Teak DoD Test Operation Newsreel High altitude 77 kilometers	Newsreel meters	08/01/58	Johnston Island area	Rocket	Weapons Effects	3.8 Mt

	n	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Hardtack I Continued	pen		
152	Quince	08/06/58	Enewetak	Surface	Weapons Related	Zero
153	Orange DoD Test Operation Newsreel High altitude 43 kilometers	08/12/58	Johnston Island area	Rocket	Weapons Effects	3.8 Mt
154	Fig	08/18/58	Enewetak	Surface	Weapons Related	20 tons
			Operation Argus			
155	Argus I About 300 miles altitude, South 38.5 degrees, West 11.5 degrees	08/27/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
156	Argus II About 300 miles altitude, South 49.5 degrees, West 8.2 degrees	08/30/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
157	Argus III About 300 miles altitude, South 48.5 degrees, West 9.7 degrees	09/06/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
)dO	Operation Hardtack II			
158	Otero Unstemmed hole	09/12/58	NTS	Shaft	Safety Experiment	38 tons
159	Bernalillo Unstemmed hole Radioactivity not detected off site	09/17/58	NTS	Shaft	Safety Experiment	15 tons
160	Eddy	09/19/58	NTS	Balloon	Weapons Related	83 tons
161	Luna Unstemmed hole Radioactivity not detected off site	09/21/58	NTS	Shaft	Safety Experiment	1.5 tons
162	Mercury No radioactive release detected	09/23/58	NTS	Tunnel	Safety Experiment	Slight
163	Valencia Unstemmed hole Radioactivity not detected off site	09/26/58	NTS	Shaft	Safety Experiment	2 tons
164	Mars Slight venting Radioactivity not detected off site	09/28/58	NTS	Tunnel	Safety Experiment	13 tons
165	Mora	09/29/58	NTS	Balloon	Weapons Related	2 kt

		United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	Hardtack II Continued	peni		
166	Colfax Unstemmed hole Radioactivity not detected off site	10/05/58	NTS	Shaft	Safety Experiment	5.5 tons
167	Hidalgo	10/05/58	NTS	Balloon	Safety Experiment	77 tons
168	Tamalpais Slight venting Radioactivity not detected off site	10/08/58	NTS	Tunnel	Weapons Related	72 tons
169	Quay	10/10/58	NTS	Tower	Weapons Related	79 tons
170	Lea	10/13/58	NTS	Balloon	Weapons Related	1.4 kt
171	Neptune Slight venting Radioactivity not detected off site	10/14/58	NTS	Tunnel	Safety Experiment	115 tons
172	Hamilton	10/15/58	NTS	Tower	Weapons Related	1.2 tons
173	Logan No radioactive release detected	10/16/58	NTS	Tunnel	Weapons Related	5 kt
174	Dona Ana	10/16/58	NTS	Balloon	Weapons Related	37 tons
175	Vesta Fired in surface structure	10/17/58	NTS	Surface	Safety Experiment	24 tons
176	Rio Arriba	10/18/58	NTS	Tower	Weapons Related	90 tons
177	San Juan Unstemmed hole No radioactive release detected	10/20/58	NTS	Shaft	Safety Experiment	Zero
178	Socorro	10/22/58	NTS	Balloon	Weapons Related	6 kt
179	Wrangell	10/22/58	NTS	Balloon	Weapons Related	115 tons
180	Rushmore	10/22/58	NTS	Balloon	Weapons Related	188 tons
181	Oberon No radioactive release detected	10/22/58	NTS	Tower	Safety Experiment	Zero
182	Catron	10/24/58	NTS	Tower	Safety Experiment	21 tons
183	Juno Fired in surface structure Radioactivity not detected off site	10/24/58	NTS	Surface	Safety Experiment	1.7 tons
184	Ceres Radioactivity not detected off site	10/26/58	NTS	Tower	Safety Experiment	0.7 tons
185	Sanford	10/26/58	NTS	Balloon	Weapons Related	4.9 kt

	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Hardtack II Continued	l'ed		
186	De Baca	10/26/58	NTS	Balloon	Weapons Related	#100
187	Chavez	10/27/58	NTS	Tower	Safety Experiment	0.6 tons
188	Evans Venting Radioactivity not detected off site	10/29/58	NTS	Tunnel	Weapons Related	55 tons
189	Humboldt	10/29/58	NTS	Tower	Weapons Related	7.8 tons
190	Mazama No radioactive release detected	10/29/58	NTS	Tower	Weapons Related	Zero
191	Santa Fe	10/30/58	NTS	Balloon	Weapons Related	1.3 Kt
192	Blanca Slight venting	10/30/58	NTS	Tunnel	Weapons Related	22 kt
193	Ganymede Contained in surface structure No radioactive release detected	10/30/58	NTS	Surface	Safety Experiment	Zero
194	Titania	10/30/58	NTS	Tower	Safety Experiment	0.2 tons
		0	Operation Nougat			
195	Antler Accidental release of radioactivity detected off site	09/15/61	NTS	Tunnel	Weapons Related	2.6 kt
196	Shrew Accidental release of radioactivity detected on site only	09/16/61	NTS	Shaft	Weapons Related	Low
197	Boomer Accidental release of radioactivity detected on site only	10/01/61	NTS	Shaft	Weapons Related	Low
198	Chena Accidental release of radioactivity detected on site only	10/10/61	NTS	Tunnel	Weapons Related	Low
199	Mink Accidental release of radioactivity detected on site only	10/29/61	NTS	Shaft	Weapons Related	Low
200	Fisher Accidental release of radioactivity detected on site only	12/03/61	NTS	Shaft	Weapons Related	13.4 kt

		United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Nougat Continued	P		
201	Gnome Multiple-purpose experiment in salt Formed cavity 160-170 ft. diameter, 60-80 ft. high Accidental release of radioactivity detected off site	12/10/61	Carlsbad, New Mexico	Shaft	Plowshare	s K
202	Mad Accidental release of radioactivity detected on site only	12/13/61	NTS	Shaft	Weapons Related	500 tons
203	Ringtail Accidental release of radioactivity detected on site only	12/17/61	NTS	Shaft	Weapons Related	Low
204	Feather Accidental release of radioactivity detected off site	12/22/61	NTS	Tunnel	Weapons Related	150 tons
205	Stoat Accidental release of radioactivity detected on site only	01/09/62	NTS	Shaft	Weapons Related	5.1 kt
206	Agouti	01/18/62	NTS	Shaft	Weapons Related	6.4 kt
207	Dormouse	01/30/62	NTS	Shaft	Weapons Related	Low
208	Stillwater	02/08/62	NTS	Shaft	Weapons Related	3.07 kt
209	Armadillo Accidental release of radioactivity detected on site only	02/09/62	NTS	Shaft	Weapons Related	7.1 kt
210	Hard Hat DoD Test Accidental release of radioactivity detected on site only	02/15/62	NTS	Shaft	Weapons Effects	5.7 kt
211	Chinchilla Accidental release of radioactivity detected on site only	02/19/62	NTS	Shaft	Weapons Related	1.9 kt
212	Codsaw Accidental release of radioactivity detected on site only	02/19/62	NTS	Shaft	Weapons Related	Low
213	Cimarron	02/23/62	NTS	Shaft	Weapons Related	11.9 kt

	10	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Nougat Continued			
214	Platypus Accidental release of radioactivity detected on site only	02/24/62	NTS	Shaft	Weapons Related	Low
215	Pampas Accidental release of radioactivity detected off site	03/01/62	NTS	Shaft	Joint US-UK	9.5 kt
216	Danny Boy DoD Test Crater diameter 265 ft., depth 84 ft. in basalt Release of radioactivity detected off site	03/05/62	NTS	Crater	Weapons Effects	430 tons
217	Ermine	03/06/62	NTS	Shaft	Safety Experiment	Low
218	Brazos Accidental release of radioactivity detected on site only	03/08/62	NTS	Shaft	Weapons Related	8.4 kt
219	Hognose	03/15/62	NTS	Shaft	Weapons Related	Low
220	Hoosic	03/28/62	NTS	Shaft	Weapons Related	3.4 kt
221	Chinchilla II Accidental release of radioactivity detected on site only	03/31/62	NTS	Shaft	Weapons Related	Low
222	Dormouse Prime	04/05/62	SIN	Shaft	Weapons Related	10.6 kt
223	Passaic	04/06/62	NTS	Shaft	Weapons Related	Low
224	Hudson	04/12/62	SIN	Shaft	Weapons Related	Low
225	Platte Accidental release of radioactivity detected off site	04/14/62	NTS	Tunnel	Weapons Related	1.85 kt
226	Dead	04/21/62	NTS	Shaft	Weapons Related	Low
	Note: 1962 tests in Christmas and Johnston Island areas,		and elsewhere in the Pacific, were part	c, were part c	of Operation Dominic.	
227	Adobe Operation Dominic	04/25/62	Christmas Island area	Airdrop	Weapons Related	190 kt
228	Aztec Operation Dominic	04/27/62	Christmas Island area	Airdrop	Weapons Related	410 kt
229	Black	04/27/62	NTS	Shaft	Weapons Related	Low
230	Arkansas Operation Dominic	05/02/62	Christmas Island area	Airdrop	Weapons Related	1.09 Mt

	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	Operation Nougat Continued	þć		
231	Questa Operation Dominic	05/04/62	Christmas Island area	Airdrop	Weapons Related	670 kt
232	Frigate Bird Operation Dominic North 4 degrees 50 minutes, West 149 degrees 25 minutes Warhead in missile launched from Polaris	05/06/62	Pacific	Rocket	Weapons Related	
233	Paca Accidental release of radioactivity detected on site only	05/07/62	NTS	Shaft	Weapons Related	Гом
234	Yukon Operation Dominic	05/08/62	Christmas Island area	Airdrop	Weapons Related	100 kt
235	Mesilia Operation Dominic	05/09/62	Christmas Island area	Airdrop	Weapons Related	100 kt
236	Arikaree	05/10/62	NTS	Shaft	Weapons Related	Low
237	Muskegon Operation Dominic	05/11/62	Christmas Island area	Airdrop	Weapons Related	50 kt
238	Swordfish Operation Dominic North 31 degrees 14 minutes, West 124 degrees 13 minutes Antisubmarine rocket (ASROC)	05/11/62	Pacific	Underwater	Weapons Effects	Low
239	Encino Operation Dominic	05/12/62	Christmas Island area	Airdrop	Weapons Related	500 kt
240	Aardvark Accidental release of radioactivity detected on site only	05/12/62	NTS	Shaft	Weapons Related	40 kt
241	Swanee Operation Dominic	05/14/62	Christmas Island area	Airdrop	Weapons Related	97 kt
242	Eel Accidental release of radioactivity detected off site	05/19/62	NTS	Shaft	Weapons Related	4.5 Kt
243	Chetco Operation Dominic	05/19/62	Christmas Island area	Airdrop	Weapons Related	73 kt

Test 244 White 245 Deperation Dominic 246 Operation Dominic 249 Alma 249 Alma 250 Operation Dominic 251 Yeso Operation Dominic 252 Harlem Operation Dominic 253 Accidental release of radioactivity detected off site 254 Operation Dominic 255 Dulce Operation Dominic 255 Dulce Operation Dominic 256 Operation Dominic 257 Daman 1 258 Otowi Operation Dominic 258 Operation Dominic 259 Otowi Operation Dominic 259 Operation Dominic 259 Operation Dominic 259 Operation Dominic 259 Operation Dominic					
Big Oto	Date (GCT)	Location	Туре	Purpose	Yield Range
Big Otto	Operatio	Operation Nougat Continued	9		
All	05/25/62	NTS	Shaft	Weapons Related	Low
Na Aln Aln Big Oto Oto	05/25/62	Christmas Island area	Airdrop	Weapons Related	2.6 kt
Aln Ha Ha Ha Ha Dia Oto	05/27/62	Christmas Island area	Airdrop	Weapons Related	43 kt
Aln	06/01/62	NTS	Shaft	Weapons Related	Low
Air	06/06/62	NTS	Shaft	Weapons Related	Low
Ha Yes True	06/08/62	Christmas Island area	Airdrop	Weapons Related	782 kt
Han Hai	06/09/62	Christmas Island area	Airdrop	Weapons Related	210 kt
Big Oto	06/10/62	Christmas Island area	Airdrop	Weapons Related	3 Mt
Big Oto	06/12/62	Christmas Island area	Airdrop	Weapons Related	1.2 Mt
Big Otc	06/13/62	NTS	Tunnel	Weapons Related	2.9 kt
Big Q Da	06/15/62	Christmas Island area	Airdrop	Weapons Related	800 kt
Pe Otto	06/17/62	Christmas Island area	Airdrop	Weapons Related	52 kt
Big Oct	06/19/62	Christmas Island area	Airdrop	Weapons Related	2.2 kt
gg G	06/21/62	NTS	Shaft	Weapons Related	Low
Big	06/22/62	Christmas Island area	Airdrop	Weapons Related	81.5 kt
	06/27/62	Christmas Island area	Airdrop	Weapons Related	7.65 Mt
Haymaker 260 Accidental release of radioactivity detected on site only	06/27/62	NTS	Shaft	Weapons Related	67 kt

	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	Operation Nougat Continued	P		
261	Marshmallow DoD Test Accidental release of radioactivity detected on site only	06/28/62	NTS	Tunnel	Weapons Effects	Low
262	Bluestone Operation Dominic	79/06/90	Christmas Island area	Airdrop	Weapons Related	1.27 Mt
263	Sacramento	06/30/62	NTS	Shaft	Weapons Related	Low
		O	Operation Storax			
264	Sedan Excavation experiment Crater 1280 ft. diameter, 320 ft. deep Thermonuclear device Release of radioactivity detected off site	07/06/62	NTS	Crater	Plowshare	104 kt
	Note: Four DoD weapons effects tests at NTS in July of 1962 were conducted as Operation Sunbeam.	ITS in July of 19(52 were conducted as Ope	ration Sunbe	am.	
265	Little Feller II Slightly above ground DoD Test Operation Sunbeam Radioactivity not detected off site	07/07/62	NTS	Surface	Weapons Effects	Low
	Note: Five DoD high-altitude weapons effects tests		were conducted during Operation Dominic as Operation Fishbowl.	Dominic as	Operation Fishbowl.	
266	Starfish Prime DoD Test Operation Fishbowl High altitude 400 kilometers	79/60/20	Johnston Island area	Rocket	Weapons Effects	1.4 Mt
267	Sunset Operation Dominic	07/10/62	Christmas Island area	Airdrop	Weapons Related	1 Mt
268	Pamlico Operation Dominic	07/11/62	Christmas Island area	Airdrop	Weapons Related	3.88 Mt
269	Johnnie Boy Slightly below ground DoD Test Operation Sunbeam Release of radioactivity detected off site	07/11/62	NTS	Crater	Weapons Effects	500 tons
270	Merrimac Accidental release of radioactivity detected on site only	07/13/62	NTS	Shaft	Weapons Related	Intermediate

United States Nuclear Tests -- By Date

		United S	tates	States Nuclear Tests	By Date		
	Test	Date ((аст)	Location	Type	Purpose	Yield Range
		0	peratio	Operation Storax Continued	7.		
271	Small Boy Slightly above ground DoD Test Operation Sunbeam Release of radioactivity detected off site	07/14	14/62	NTS	Tower	Weapons Effects	Low
272	Little Feller I Slightly above ground DoD Test Operation Sunbeam Release of radioactivity detected off site	07/17/62	762	NTS	Surface	Weapons Effects	Low
273	Wichita Accidental release of radioactivity detected on site only	07/27/62	/62	NTS	Shaft	Weapons Related	Low
274	York	08/24/62	/62	NTS	Shaft	Weapons Related	Low
275	Bobac	08/24/62	/62	NTS	Shaft	Weapons Related	Low
276	Raritan	09/06/62	/62	NTS	Shaft	Weapons Related	Low
277	Нугах	09/14	4/62	NTS	Shaft	Weapons Related	Low
278	Peba	09/50/65	/62	NTS	Shaft	Weapons Related	Low
279	Allegheny Accidental release of radioactivity detected on site only	09/53/62	/62	NTS	Shaft	Weapons Related	Low
280	Androscoggin Operation Dominic	10/02/62	/62	Johnston Island area	Airdrop	Weapons Related	75 kt
281	Mississippi	10/05/62	/62	NTS	Shaft	Weapons Related	115 kt
282	Bumping Operation Dominic	10/06	79/90	Johnston Island area	Airdrop	Weapons Related	11.3 kt
283	Roanoke Accidental release of radioactivity detected on site only	10/12/	2/62	NTS	Shaft	Weapons Related	Low
284	Wolverine Accidental release of radioactivity detected on site only	10/12/	2/62	NTS	Shaft	Weapons Related	Гом
285	Chama Operation Dominic	10/18/	8/62	Johnston Island area	Airdrop	Weapons Related	1.59 Mt
286	Tioga	10/18	8/62	NTS	Shaft	Weapons Related	Low

	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Storax Continued	P		
287	Bandicoot Accidental release of radioactivity detected off site	10/19/62	NTS	Shaft	Weapons Related	12.5 kt
288	Checkmate DoD Test Operation Fishbowl High altitude tens of kilometers	10/20/62	Johnston Island area	Rocket	Weapons Effects	Low
289	Bluegill 3 Prime DoD Test Operation Fishbowl High altitude tens of kilometers	10/26/62	Johnston Island area	Rocket	Weapons Effects	Submegaton
290	Santee	10/27/62	NTS	Shaft	Weapons Related	Low
291	Calamity Operation Dominic	10/27/62	Johnston Island area	Airdrop	Weapons Related	800 kt
292	Housatonic Operation Dominic	10/30/62	Johnston Island area	Airdrop	Weapons Related	8.3 Mt
293	Kingfish DoD Test Operation Fishbowl High altitude tens of kilometers	11/01/62	Johnston Island area	Rocket	Weapons Effects	Submegaton
294	Tightrope DoD Test Operation Fishbowl High altitude tens of kilometers	11/04/62	Johnston Island area	Rocket	Weapons Effects	Low
295	St. Lawrence Accidental release of radioactivity detected on site only	11/09/62	NTS	Shaft	Weapons Related	Low
296	Gundi	11/15/62	NTS	Shaft	Weapons Related	Low
297	Anacostia Device development Accidental release of radioactivity detected on site only	11/27/62	NTS	Shaft	Plowshare	Low
298	Taunton	12/04/62	NTS	Shaft	Weapons Related	Low
299	Tendrac	12/07/62	NTS	Shaft	Joint US-UK	Low
300	Madison	12/12/62	NTS	Tunnel	Weapons Related	Low
301	Numbat	12/12/62	NTS	Shaft	Weapons Related	Low
302	Manatee	12/14/62	NTS	Shaft	Weapons Related	Low
303	Casselman	02/08/63	NTS	Shaft	Weapons Related	Low
304	Acushi	02/08/63	NTS	Shaft	Weapons Related	Low

		United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operati	Operation Storax Continued			
305	Ferret	02/08/63	2.24	Chat	Monogon Delegation	
306	Hatchie	02/08/63	NTS	Shaft	Weapons Related	Low
307	Chipmunk	02/15/63	NTS	Shaff	Safety Exposiment	Low
308	Kaweah Device development	02/21/63	NTS	Shaft	Plowshare	Low
309	Carmel	02/21/63	NTS	Chaft	Woodco Constant	
310	Jerboa	03/01/63	NTS	Shaft	Weapons Related	Low
311	Toyah	03/15/63	NTS	Shaff	Weapons Related	Low
312	Gerbil	03/29/63	NTS	Shaff	Woopen Deleted	MOJ.
313	Ferret Prime	04/05/63	NTS	Shaft	Weapons neigled	LOW
314	Coypu	04/10/63	NTS	Shaff	Sofot, Experient	MO .
315	Cumberland	04/11/63	NTS	Shaff	Wearons Dalated	LOW
316	Kootanai Accidental release of radioactivity detected on site only	04/24/63	NTS	Shaft	Weapons Related	Low
317	Paisano Accidental release of radioactivity detected on site only	04/24/63	NTS	Shaft	Weapons Related	Low
318	Gundi Prime	05/09/63	NTS	Shaft	Weapons Belated	mo
	Note: Four storage-transportation tests were conducted on the NAFR during May and June 1963	e conducted on th	ie NAFR during May and	June 1963 as	as the joint US-UK Operation Roller Coaster.	ion Roller Coaster.
319	Double Tracks Operation Roller Coaster Pu dispersal Radioactivity detected off site	05/15/63	NAFR	Surface	Storage-Transportation	Zero
320	Harkee	05/17/63	NTS	Shaft	Weapons Related	wo l
321	Tejon	05/17/63	NTS	Shaft	Safety Experiment	Low
322	Stones	05/22/63	NTS	Shaft	Weapons Related	Intermediate
323	Clean Slate I Operation Roller Coaster Pu dispersal Radioactivity detected off site	05/25/63	NAFR	Surface	Storage-Transportation	Zero

	Ú	United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Storax Continued			
324	Pleasant Accidental release of radioactivity detected on site only	05/29/63	NTS	Shaft	Weapons Related	Low
325	Clean Slate II Operation Roller Coaster Pu dispersal Radioactivity not detected off site	05/31/63	NAFR	Surface	Storage-Transportation	Zего
326	Yuba Accidental release of radioactivity detected on site only Operational release of radioactivity detected off site	06/05/63	NTS	Tunnel	Weapons Related	3.1 kt
327	Hutia	69/90/90	NTS	Shaft	Weapons Related	Low
328	Apshapa Accidental release of radioactivity detected on site only	£9/90/90	NTS	Shaft	Weapons Related	Low
329	Clean State III Operation Roller Coaster Pu dispersal Radioactivity detected off site	£9/60/90	NAFR	Surface	Storage-Transportation	Zero
330	Mataco	06/14/63	SIN	Shaft	Weapons Related	Low
331	Kennebec Accidental release of radioactivity detected on site only	06/25/63	NTS	Shaft	Weapons Related	Low
		O	Operation Niblick			
332	Pekan	08/12/63	NTS	Shaft	Weapons Related	Low
333	Satsop	08/15/63	NTS	Shaft	Weapons Related	Low
	Kohocton	08/23/63	NTS	Shaft	Weapons Related	Low
334	Natches Simultaneous, separate holes	08/23/63	NTS	Shaft	Weapons Related	Low
335	Ahtanum	09/13/63	NTS	Shaft	Weapons Related	Low
336	Bilby First underground test reported felt in Las Vegas	09/13/63	NTS	Shaft	Weapons Related	249 kt

Comparison Comparison Continued Co		5	United States	States Nuclear Tests By Date	By Date		
Carp Accidental release of radioactivity Operation Niblick Continued Shaft Narraguagus Grunion NTS Shaft Tominon 1071/63 NTS Shaft Tominon 1071/63 NTS Shaft Tominon 1071/63 NTS Shaft Tominon 1071/63 NTS Shaft Avoidenter 1071/63 NTS Shaft Anchovy 1174/63 NTS Shaft Mulest 1174/63 NTS Shaft Anchovy 1174/63 NTS Shaft Simultaneous, separate holes 11704/63 NTS Shaft Accidental release of radioactivity 12704/63 NTS Shaft Fore Ocont		Test	Date (GCT)	Location	Type	Purpose	Yield Range
Carp Accidental release of radioactivity 09/27/63 NTS Shaft Marraguagus Grunion 10/11/63 NTS Shaft Clearwater Device development 10/11/63 NTS Shaft Clearwater Device development 10/11/63 NTS Shaft Anchovy Anchovy Anchovy Anchovy Anchorial release of radioactivity detected on site only Accidental release of radioactivity detected on site only detected on site only Accidental release of radioactivity detected on site only detected on site only Accidental release of radioactivity detected on site only Accidental release of radioactivity detected on site only detected on site only 12/12/63 NTS Shaft NTS Club Accidental release of radioactivity detected on site only detected on site only 01/16/64 NTS Shaft NTS Club Accidental release of radioactivity detected on site only detected on site only 01/16/64 NTS Shaft NTS		·	Operation	on Niblick Continue	pí		
Authorised televolopment 10/11/63 NTS Shaft Tormino 10/11/63 NTS Shaft Cerunion 10/11/63 NTS Shaft Device development 10/11/63 NTS Shaft Anchove development 10/17/63 NTS Shaft Anchove development 10/17/63 NTS Shaft Anchove development 10/17/63 NTS Shaft Anchove development 11/14/63 NTS Shaft Anchove development 11/14/63 NTS Shaft Anchove development 11/14/63 NTS Shaft Anchove development selected on site only 11/16/63 NTS Shaft Anchove defected on site only 12/04/63 NTS Shaft NTS Sandinal release of radioactivity 12/12/63 NTS Shaft NTS Fore Ocontrol Operational release of radioactivity 01/16/64 NTS Shaft NTS Club Ocontrol Operational release of radioactivity 01	337	Carp Accidental release of radioactivity detected on site only	09/27/63	NTS	81	Weapons Related	Low
Grunion 10/11/63 NTS Shaft Tomilio Device development 10/11/63 NTS Shaft Clearwater 10/16/63 NTS Shaft Muller 10/16/63 NTS Shaft Anchovy Ancidental release of radioactivity 11/14/63 NTS Shaft Anchovy Ancidental release of radioactivity 11/15/63 NTS Shaft Ancidental release of radioactivity 11/12/63 NTS Shaft Barracuda 11/12/63 NTS Shaft Sardine Similar release of radioactivity 12/04/63 NTS Shaft Accidental release of radioactivity 12/12/63 NTS Shaft Fore Accidental release of radioactivity 12/26/63 NTS Shaft Conto Operational release of radioactivity 01/16/64 NTS Shaft Club Operational release of radioactivity 01/23/64 NTS Shaft Club Operational release of radioactivity Shaft NTS Shaft	338	Narraguagus	09/27/63	NTS	Shaft	Weapons Related	and I
Tomilio Device development 10/16/63 NTS Shaft	339	Grunion	10/11/63	NTS	Shaft	Weapons Related	Town
Clearwater 10/16/63 NTS Shaft Shoal Shoal Nuclear test detection-research experiment 10/26/63 Fallon, Nevada Shaft Anchowal Anchowal 11/14/63 NTS Shaft Anchowal Accidental release of radioactivity 11/12/63 NTS Shaft Anchowal and release of radioactivity 11/12/63 NTS Shaft Barracuda 12/04/63 NTS Shaft Sardine Sardine 12/04/63 NTS Shaft Sardine Accidental release of radioactivity 12/12/63 NTS Shaft Accidental release of radioactivity 12/12/63 NTS Shaft NTS Fore Accidental release of radioactivity 12/12/63 NTS Shaft NTS Conto Operational release of radioactivity 01/16/64 NTS Shaft NTS Club detected off site Only30/64 NTS Shaft NTS Shaft	340	Tornillo Device development	10/11/63	NTS	Shaft	Plowshare	Low
Mullet	341	Clearwater	10/16/63	NTS	Shaft	Weapons Related	Intermediate
Shoal Unclear test detection-research experiment 10/26/63 Fallon, Nevada Shaft Ancholent release of radioactivity detected on site only detected on site only accidental release of radioactivity 11/14/63 NTS Shaft Barracuda Simultaneous, separate holes Accidental release of radioactivity detected on site only detected off site 12/04/63 NTS Shaft Fage Accidental release of radioactivity detected off site 12/12/63 NTS Shaft Tuna Accidental release of radioactivity detected off site 01/16/64 NTS Shaft Conno Operational release of radioactivity detected off site 01/23/64 NTS Shaft Club Accidental release of radioactivity detected off site 01/30/64 NTS Shaft Club Accidental release of radioactivity detected off site 01/23/64 NTS Shaft	342	Mullet	10/17/63	NTS	Shaft	Safety Experiment	wo
Anchowy Anchowy Anchowy Accidental release of radioactivity detected on site only and release of radioactivity detected on site only a detected on site only a detected on site only a detected of site only a detected on site	343	Shoal Nuclear test detection-research experiment	10/26/63	Fallon, Nevada	Shaft	Vela Uniform	12 kt
Mustang 11/15/63 NTS Shaft Barracuda 11/22/63 NTS Shaft Sardine 12/04/63 NTS Shaft Sardine Sardine Sardine release of radioactivity detected on site only adetected off site 12/12/63 NTS Shaft shaft Fore Accidental release of radioactivity detected on site only adetected off site 01/16/64 NTS Shaft shaft Club Accidental release of radioactivity detected on site only adetected on site only on site only adet	344	Anchovy Accidental release of radioactivity detected on site only	11/14/63	NTS	Shaft	Weapons Related	Гом
Greys 11/22/63 NTS Shaft Sardine Sardine Sardine Simultaneous, separate holes Simultaneous, separate holes Accidental release of radioactivity detected on site only adetected of site Accidental release of radioactivity adetected of site Accidental release of radioactivity adetected on site only Coonto Oconto Operational release of radioactivity detected off site Accidental release of radioactivity detected off site Accidental release of radioactivity detected on site only Accidental release of radioactivity accidental release of	345	Mustang	11/15/63	NTS	Shaft	Weapons Related	Low
Sardine 12/04/63 NTS Shaft Sardine Sardine 12/04/63 NTS Shaft Sardine Accidental release of radioactivity 12/12/63 NTS Shaft Eagle Accidental release of radioactivity 12/20/63 NTS Shaft Tuna Accidental release of radioactivity 12/20/63 NTS Shaft Fore Oconto 01/16/64 NTS Shaft Club Accidental release of radioactivity 01/30/64 NTS Shaft Club Accidental release of radioactivity 01/30/64 NTS Shaft Club Accidental release of radioactivity Shaft NTS Shaft	346	Greys	11/22/63	NTS	Shaft	Weapons Related	Intermediate
Sardine Simultaneous, separate holes Accidental release of radioactivity detected on site only detected on site only accidental release of radioactivity detected on site only Conto Operational release of radioactivity detected off site Accidental release of radioactivity detected on site only Shaft		Barracuda	12/04/63	NTS	Shaft	Weapons Related	Low
Eagle Accidental release of radioactivity detected off site12/12/63NTSShaftTuna Accidental release of radioactivity detected on site only Operational release of radioactivity detected off site01/16/64NTSShaftClub Accidental release of radioactivity detected on site only01/30/64NTSShaft	347	Sardine Simultaneous, separate holes Accidental release of radioactivity detected on site only	12/04/63	NTS	Shaft	Weapons Related	Low
Tuna Accidental release of radioactivity detected on site only12/20/63NTSShaftFore Operational release of radioactivity detected off site Accidental release of radioactivity detected on site only01/23/64NTSShaftClub Accidental release of radioactivity detected on site only01/30/64NTSShaft	348	Eagle Accidental release of radioactivity detected off site	12/12/63	NTS	Shaft	Weapons Related	5.3 kt
Fore Oconto 01/16/64 NTS Shaft Oconto Operational release of radioactivity detected off site 01/23/64 NTS Shaft Club Accidental release of radioactivity detected on site only 01/30/64 NTS Shaft	349	Tuna Accidental release of radioactivity detected on site only	12/20/63	NTS	Shaft	Weapons Related	Low
Oconto Operational release of radioactivity detected of site Club Accidental release of radioactivity detected on site only	350	Fore	01/16/64	NTS	Shaft	Weapons Related	20 to 200 kt
Club Accidental release of radioactivity detected on site only	351	Oconto Operational release of radioactivity detected off site	01/23/64	NTS	Shaft	Weapons Related	10.5 kt
	352	Club Accidental release of radioactivity detected on site only	01/30/64	NTS	Shaft	Weapons Related	Less than 20 kt

	5	United States N	States Nuclear Tests B	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Niblick Continued			
353	Solendon Accidental release of radioactivity detected on site only	02/12/64	NTS	Shaft	Weapons Related	Less than 20 kt
354	Bunker Accidental release of radioactivity detected on site only	02/13/64	NTS	Shaft	Weapons Related	Less than 20 kt
355	Bonefish	02/18/64	NTS	Shaft	Weapons Related	Less than 20 kt
356	Mackerel	02/18/64	NTS	Shaft	Weapons Related	Less than 20 kt
357	Klickitat Device development	02/20/64	NTS	Shaft	Plowshare	· 20 to 200 kt
358	Handicap Accidental release of radioactivity detected on site only	03/12/64	NTS	Shaft	Weapons Related	Less than 20 kt
359	Pike Accidental release of radioactivity detected off site	03/13/64	NTS	Shaft	Weapons Related	Less than 20 kt
360	Hook Accidental release of radioactivity detected on site only	04/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
361	Sturgeon	04/15/64	NTS	Shaft	Weapons Related	Less than 20 kt
362	Bogey Accidental release of radioactivity detected on site only	04/17/64	NTS	Shaft	Weapons Related	Less than 20 kt
363	Turt	04/24/64	NTS	Shaft	Weapons Related	20 to 200 kt
364	Pipefish Accidental release of radioactivity detected on site only	04/29/64	NTS	Shaft	Weapons Related	Less than 20 kt
365	Driver Accidental release of radioactivity detected on site only	05/07/64	NTS	Shaft	Weapons Related	Less than 20 kt
366	Backswing Accidental release of radioactivity detected on site only	05/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
367	Minnow	05/15/64	NTS	Shaft	Weapons Related	Less than 20 kt

		United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Niblick Continued	-		
368	Ace Device development Accidental release of radioactivity detected on site only	06/11/64	NTS	Shaft	Plowshare	Less than 20 kt
369	Bitterling	06/12/64	NTS	Shaft	Weapons Related	Less than 20 kt
370	Duffer	06/18/64	NTS	Shaft	Weapons Related	Less than 20 kt
371	Fade Accidental release of radioactivity detected on site only	06/25/64	NTS	Shaft	Weapons Related	Less than 20 kt
372	Dub Device development Accidental release of radioactivity detected on site only	06/30/64	NTS	Shaft	Plowshare	Less than 20 kt
		Ope	Operation Whetstone			
373	Bye	07/16/64	NTS	Shaft	Weapons Related	20 to 200 kt
374	Cormorant Accidental release of radioactivity detected on site only	07/17/64	NTS	Shaft	Joint US-UK	Less than 20 kt
375	Links Accidental release of radioactivity detected on site only	07/23/64	NTS	Shaft	Weapons Related	Less than 20 kt
376	Trogon	07/24/64	NTS	Shaft	Weapons Related	Less than 20 kt
377	Alva Accidental release of radioactivity detected off site by aircraft only	08/19/64	NTS	Shaft	Weapons Related	4.4 kt
378	Canvasback	08/22/64	NTS	Shaft	Weapons Related	Less than 20 kt
379	Player	08/27/64	NTS	Shaft	Safety Experiment	Less than 20 kt
380	Haddock	08/28/64	NTS	Shaft	Weapons Related	Less than 20 kt
381	Guanay	09/04/64	NTS	Shaft	Weapons Related	Less than 20 kt
382	Spoon	09/11/64	NTS	Shaft	Weapons Related	Less than 20 kt
383	Courser	09/25/64	NTS	Shaft	Joint US-UK	Zero
384	Auk	10/02/64	NTS	Shaft	Weapons Related	Less than 20 kt
385	Par Isotope production and explosive development	10/09/64	NTS	Shaft	Plowshare	38 kt

		United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	Operation Whetstone Continued	pen		
	Barbel	10/16/64	NTS	Shaft	Weapons Related	Less than 20 kt
386	Turnstone Simultaneous, separate holes	10/16/64	NTS	Shaft	Weapons Related	Less than 20 kt
387	Salmon Nuclear test detection research experiment	10/22/64	Hattiesburg, Mississippi	Shaft	Vela Uniform	5.3 kt
388	Garden	10/23/64	NTS	Shaft	Weapons Related	Less than 20 kt
389	Forest	10/31/64	NTS	Shaft	Weapons Related	Less than 20 kt
390	Handcar Effects of contained explosion in carbonate rock Accidental release of radioactivity detected on site only	11/05/64	NTS	Shaft	Plowshare	12 kt
391	Crepe	12/05/64	NTS	Shaft	Weapons Related	20 to 200 kt
	Drill (Source-Lower)	12/05/64	NTS	Shaft	Weapons Related	3.4 kt
392	Drill (Target-Upper) Simultaneous, same hole Accidental release of radioactivity detected off site	12/05/64	NTS	Shaft	Weapons Related	Less than 20 kt
393	Parrot Accidental release of radioactivity detected off site	12/16/64	NTS	Shaft	Weapons Related	1.3 Kt
394	Mudpack DoD Test	12/16/64	NTS	Shaft	Weapons Effects	2.7 kt
	Cassowary	12/16/64	SLN	Shaft	Weapons Related	Less than 20 kt
395	Hoopoe Simultaneous, separate holes	12/16/64	NTS	Shaft	Safety Experiment	Less than 20 kt
396	Sulky Excavation test of explosive buried at greater depth in relation to yield Produced mound of broken rock Release of radioactivity detected off site	12/18/64	NTS	Shaft	Plowshare	92 tons
397	Wool	01/14/65	NTS	Shaft	Weapons Related	Less than 20 kt

		United States	States Nuclear Tests	- By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Whetstone Continued	penu		
398	Tern Accidental release of radioactivity detected on site only	01/29/65	NTS	Shaft	Weapons Related	Less than 20 kt
399	Cashmere	02/04/65	NTS	Shaft	Weapons Related	Less than 20 kt
400	Alpaca Accidental release of radioactivity detected off site	02/12/65	NTS	Shaft	Weapons Related	330 tons
401	Mertin Accidental release of radioactivity detected on site only	02/16/65	NTS	Shaft	Weapons Related	10.1 kt
402	Wishbone DoD Test Accidental release of radioactivity detected on site only	02/18/65	NTS	Shaft	Weapons Effects	Less than 20 kt
403	Seersucker Accidental release of radioactivity detected on site only	02/19/65	NTS	Shaft	Weapons Related	Less than 20 kt
404	Wagtail	03/03/65	NTS	Shaft	Weapons Related	20 to 200 kt
405	Suede	03/20/65	NTS	Shaft	Weapons Related	Less than 20 kt
406	Cup	03/26/65	NTS	Shaft	Weapons Related	20 to 200 kt
407	Kestrel	04/05/65	NTS	Shaft	Weapons Related	Less than 20 kt
408	Palanquin Release of radioactivity detected off site	04/14/65	NTS	Crater	Plowshare	4.3 kt
409	Gum Drop DoD Test	04/21/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
410	Chenille Accidental release of radioactivity detected on site only	04/22/65	NTS	Shaft	Weapons Related	Less than 20 kt
411	Muscovy	04/23/65	NTS	Shaft	Weapons Related	Less than 20 kt
412	Tee Accidental release of radioactivity detected off site	05/07/65	NTS	Shaft	Weapons Effects	7 Kt
413	Buteo	05/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
414	Scaup	05/14/65	NTS	Shaft	Weapons Related	Less than 20 kt
415	Cambric	05/14/65	NTS	Shaft	Weapons Related	750 tons

	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Whets	pa pa		
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416	Tweed	05/21/65	NTS	Shaft	Weapons Related	Less than 20 kt
417	Petrel	06/11/65	NTS	Shaft	Weapons Related	1.3 kt
418	Organdy	06/11/65	NTS	Shaft	Weapons Related	Less than 20 kt
419	Diluted Waters DoD Test Accidental release of radioactivity detected off site	06/16/65	NTS	Shaft	Weapons Effects	Less than 20 kt
420	Tiny Tot DoD Test Accidental release of radioactivity detected on site only	06/17/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
		0	Operation Flintlock			
421	Izzer	07/16/65	NTS	Shaft	Weapons Related	Less than 20 kt
422	Pongee Accidental release of radioactivity detected on site only	07/22/65	NTS	Shaft	Weapons Related	Less than 20 kt
423	Bronze	07/23/65	NTS	Shaft	Weapons Related	20 to 200 kt
424	Mauve	99/90/80	NTS	Shaft	Weapons Related	Less than 20 kt
425	Ticking	08/21/65	NTS	Shaft	Weapons Related	Less than 20 kt
426	Centaur Accidental release of radioactivity detected on site only	08/27/65	NTS	Shaft	Weapons Related	Less than 20 kt
	Моа	09/01/65	NTS	Shaft	Weapons Related	Less than 20 kt
427	Screamer Simultaneous, separate holes Accidental release of radioactivity detected on site only	09/01/65	NTS	Shaft	Weapons Effects	Less than 20 kt
428	Charcoal	09/10/65	NTS	Shaft	Joint US-UK	20 to 200 kt
429	Eikhart	09/17/65	NTS	Shaft	Weapons Related	Less than 20 kt
430	Long Shot DoD Test Nuclear test detection experiment	10/29/65	Amchitka, Alaska	Shaft	Vela Uniform	About 80 kt
431	Sepia	11/12/65	NTS	Shaft	Weapons Related	Less than 20 kt

United States Nuclear Tests -- By Date

		n	United States	States Nuclear Tests By Date	By Date		
	Test		Date (GCT)	Location	Type	Purpose	Yield Range
			Operatio	Operation Flintlock Continued	eq		
432	Kermet Accidental release of radioactivity detected on site only		11/23/65	NTS	Shaft	Weapons Related	Less than 20 kt
433	Corduroy		12/03/65	NTS	Shaft	Weapons Related	20 to 200 kt
434	Emerson Accidental release of radioactivity detected on site only		12/16/65	NTS	Shaft	Weapons Related	Less than 20 kt
435	Buff		12/16/65	NTS	Shaft	Weapons Related	20 to 200 kt
436	Maxwell		01/13/66	NTS	Shaft	Weapons Related	Less than 20 kt
437	Lampblack		01/18/66	NTS	Shaft	Weapons Related	20 to 200 kt
438	Sienna		01/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
439	Dovekie		01/21/66	NTS	Shaft	Weapons Related	Less than 20 kt
440	Reo Accidental release of radioactivity detected on site only		01/22/66	NTS	Shaft	Weapons Related	Less than 20 kt
441	Plaid II Accidental release of radioactivity detected on site only		02/03/66	NTS	Shaft	Weapons Related	Less than 20 kt
442	Rex		02/24/66	NTS	Shaft	Weapons Related	19 kt
443	Red Hot DoD Test Accidental release of radioactivity detected off site		03/02/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
	Finfoot		99/20/60	NTS	Shaft	Weapons Related	Less than 20 kt
444	Cinnamon Simultaneous, separate holes Accidental release of radioactivity detected on site only		03/01/66	NTS	Shaft	Safety Experiment	Less than 20 kt
445	Clymer		03/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
446	Purple		03/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
447	Templar Excavation device development		03/24/66	NTS	Shaft	Plowshare	Less than 20 kt
448	Lime		04/01/66	NTS	Shaft	Weapons Related	Less than 20 kt
449	Stutz		04/06/66	NTS	Shaft	Weapons Related	Less than 20 kt

		United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	า Flintlock Continued	Pŕ		
450	Tomato	04/07/66	NTS	Shaft	Weapons Related	Less than 20 kt
451	Duryea	04/14/66	NTS	Shaft	Weapons Related	70 kt
452	Fenton Accidental release of radioactivity detected off site by aircraft only	04/23/66	NTS	Shaft	Weapons Related	1.4 kt
453	Pin Stripe DoD Test Accidental release of radioactivity detected off site	04/25/66	NTS	Shaft	Weapons Effects	Less than 20 kt
454	Ochre	04/29/66	NTS	Shaft	Safety Experiment	Less than 20 kt
455	Traveler	05/04/66	NTS	Shaft	Weapons Related	Less than 20 kt
456	Cyclamen Included heavy element experiment	05/05/66	NTS	Shaft	Weapons Related	12 kt
457	Chartreuse	99/90/50	NTS	Shaft	Weapons Related	73 kt
458	Tapestry Accidental release of radioactivity detected on site only	05/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
459	Piranha	05/13/66	NTS	Shaft	Weapons Related	20 to 200 kt
460	Dumont	05/19/66	NTS	Shaft	Weapons Related	20 to 200 kt
461	Discus Thrower DoD Test	05/27/66	NTS	Shaft	Weapons Effects	22 kt
462	Pile Driver DoD Test Accidental release of radioactivity detected on site only	06/02/66	NTS	Tunnel	Weapons Effects	62 kt
463	Tan	99/60/90	NTS	Shaft	Weapons Related	20 to 200 kt
464	Puce	06/10/66	NTS	Shaft	Weapons Related	Less than 20 kt
465	Double Play DoD Test Accidental release of radioactivity detected off site	06/15/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
466	Kankakee	06/15/66	NTS	Shaft	Weapons Related	20 to 200 kt
467	Vulcan Device development Heavy element production	06/25/66	NTS	Shaft	Plowshare	25 kt

		omied States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Flintlock Continued	pa		
468	Halfbeak	99/06/90	NTS	Shaft	Weapons Related	365 Kt
		ō	Operation Latchkey		-	
469	Saxon Excavation device development	07/28/66	NTS	Shaft	Plowshare	Less than 20 kt
470	Rovena	08/10/66	NTS	Shaft	Weapons Related	Less than 20 kt
471	Tangerine	08/12/66	NTS	Shaft	Safety Experiment	Less than 20 kt
472	Derringer Accidental release of radioactivity detected off site	09/12/66	NTS	Shaft	Weapons Effects	7.8 kt
473	Daiquin	09/23/66	NTS	Shaft	Weapons Related	Less than 20 kt
474	Newark	09/53/66	NTS	Shaft	Weapons Related	Less than 20 kt
475	Khaki	10/15/66	NTS	Shaft	Weapons Related	Less than 20 kt
476	Simms Excavation device development	11/05/66	NTS	Shaft	Plowshare	Less than 20 kt
477	Ajax Accidental release of radioactivity detected on site only	11/11/66	NTS	Shaft	Weapons Related	Less than 20 kt
478	Cerise Accidental release of radioactivity detected on site only	11/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
479	Vigil Accidental release of radioactivity detected on site only	11/22/66	NTS	Shaft	Safety Experiment	Less than 20 kt
480	Sterling Nuclear test detection experiment	12/03/66	Hattiesburg, Mississippi	Shaft	Vela Uniform	380 tons
481	New Point DoD Test Accidental release of radioactivity detected on site only	12/13/66	NTS	Shaft	Weapons Effects	Less than 20 kt
482	Sidecar Accidental release of radioactivity detected on site only	12/13/66	NTS	Shaft	Weapons Related	Less than 20 kt
483	Greeley	12/20/66	NTS	Shaft	Weapons Related	870 kt
484	Rivet I	01/18/67	NTS	Shaft	Weapons Related	Less than 20 kt

485		The second secon				
		Operatio	Operation Latchkey Continued	pe		
_	Nash Accidental release of radioactivity detected off site	01/19/67	NTS	Shaft	Weapons Related	39 kt
486	Bourbon	01/20/67	NTS	Shaft	Weapons Related	20 to 200 kt
487	Rivet II Accidental release of radioactivity detected on site only	01/26/67	NTS	Shaft	Weapons Related	Less than 20 kt
488	Ward	29/80/70	NTS	Shaft	Weapons Related	Less than 20 kt
489	Persimmon	02/23/67	NTS	Shaft	Weapons Related	Less than 20 kt
490	Agile	02/23/67	NTS	Shaft	Weapons Related	20 to 200 kt
491	Rivet III	03/05/67	NTS	Shaft	Weapons Related	Less than 20 kt
492	Mushroom Accidental release of radioactivity detected on site only	<i>29/</i> ε0/ε0	NTS	Shaft	Weapons Related	Less than 20 kt
493	Fizz	03/10/67	NTS	Shaft	Safety Experiment	Less than 20 kt
494	Oakland	04/04/67	NTS	Shaft	Weapons Related	Less than 20 kt
495	Heilman Accidental release of radioactivity detected on site only	04/06/67	NTS	Shaft	Weapons Related	Less than 20 kt
496	Fawn	04/07/67	NTS	Shaft	Weapons Related	Less than 20 kt
497	Chocolate	04/21/67	NTS	Shaft	Weapons Related	Less than 20 kt
498	Effendi	04/27/67	NTS	Shaft	Weapons Related	Less than 20 kt
499	Mickey	05/10/67	NTS	Shaft	Weapons Related	20 to 200 kt
200	Commodore	05/20/67	NTS	Shaft	Weapons Related	250 kt
501	Scotch	05/23/67	NTS	Shaft	Weapons Related	155 kt
502	Knickerbocker	05/26/67	NTS	Shaft	Weapons Related	76 kt
503	Absinthe	05/26/67	NTS	Shaft	Safety Experiment	Less than 20 kt
504	Switch Excavation device development	06/22/67	NTS	Shaft	Plowshare	Less than 20 kt
505	Midi Mist DoD Test Controlled release of radioactivity detected off site	06/26/67	NTS	Tunnel	Weapons Effects	Less than 20 kt

		United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
	-	Operation	Operation Latchkey Continued	led		
506	Umber Accidental release of radioactivity detected off site	06/29/67	NTS	Shaft	Weapons Effects	10 kt
		10 	Operation Crosstie			
207	Vito	07/14/67	NTS	Shaft	Safety Experiment	Less than 20 kt
508	Stanley	07/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
509	Gibson	08/04/67	NTS	Shaft	Weapons Related	Less than 20 kt
510	Washer	08/10/67	NTS	Shaft	Weapons Related	Less than 20 kt
511	Bordeaux	08/18/67	NTS	Shaft	Weapons Related	Less than 20 kt
512	Lexington	08/24/67	NTS	Shaft	Weapons Related	Less than 20 kt
513	Door Mist DoD Test	08/31/67	NTS	Tunnel	Weapons Effects	Less than 20 kt
	Accidental release of radioactivity detected off site					
514	Yard	29/20/60	NTS	Shaft	Weapons Related	20 to 200 kt
515	Gilroy	09/15/67	NTS	Shaft	Weapons Related	Less than 20 kt
516	Marvel Emplacement technique experiment Accidental release of radioactivity detected on site only	09/21/67	NTS	Shaft	Plowshare	2.2 kt
517	Zaza	09/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
518	Lanpher	10/18/67	NTS	Shaft	Weapons Related	20 to 200 kt
519	Sazerac	10/25/67	NTS	Shaft	Weapons Related	Less than 20 kt
520	Cognac Accidental release of radioactivity detected on site only	10/25/67	NTS	Shaft	Weapons Related	Less than 20 kt
521	Worth	10/25/67	NTS	Shaft	Weapons Related	Less than 20 kt
522	Cobbler	11/08/67	NTS	Shaft	Weapons Related	Less than 20 kt
523	Polka	12/06/67	NTS	Shaft	Weapons Related	Less than 20 kt
524	Gasbuggy Joint Government/industry gas stimulation experiment	12/10/67	Farmington, New Mexico	Shaft	Plowshare	29 kt
525	Strit	12/15/67	NTS	Shaft	Weapons Related	Less than 20 kt

	n	United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Crosstie Continued	Pé		
526	Hupmobile Accidental release of radioactivity detected off site	01/18/68	NTS	Shaft	Weapons Effects	7.4 Kt
527	Staccato	01/19/68	NTS	Shaft	Weapons Related	20 to 200 kt
528	Faultless Seismic calibration	01/19/68	Central Nevada	Shaft	Weapons Related	200 to 1000 kt
529	Brush Accidental release of radioactivity detected on site only	01/24/68	NTS	Shaft	Weapons Related	Less than 20 kt
530	Cabriolet Release of radioactivity detected off site	01/26/68	NTS	Crater	Plowshare	2.3 kt
531	Mallet	01/31/68	NTS	Shaft	Weapons Related	Less than 20 kt
532	Knox	02/21/68	NTS	Shaft	Weapons Related	20 to 200 kt
533	Torch	02/21/68	SIN	Shaft	Weapons Related	Less than 20 kt
534	Dorsal Fin DoD Test	02/29/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
535	Russet Accidental release of radioactivity detected on site only	89/20/60	NTS	Shaft	Weapons Related	Less than 20 kt
	Buggy-A	03/12/68	NTS	Crater	Plowshare	1.08 kt
	Buggy-B	03/12/68	NTS	Crater	Plowshare	1.08 kt
	Buggy-C	03/12/68	NTS	Crater	Plowshare	1.08 kt
536	Buggy-D	03/12/68	NTS	Crater	Plowshare	1.08 kt
	Buggy-E Simultaneous, separate holes Row charge experiment five simultaneous detonations	03/12/68	NTS	Crater	Plowshare	1.08 kt
537	Pommard	03/14/68	NTS	Shaft	Weapons Related	1.5 kt
538	Stinger	03/22/68	NTS	Shaft	Weapons Related	20 to 200 kt

		United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	peration Crosstie Continued	pe		
539	Milk Shake DoD Test Accidental release of radioactivity detected on site only	03/25/68	NTS	Shaft	Weapons Effects	Less than 20 kt
540	Bevel	04/04/68	NTS	Shaft	Weapons Related	Less than 20 kt
541	Noor	04/10/68	NTS NTS	Shaft Shaft	Weapons Related Weapons Related	20 to 200 kt Less than 20 kt
5	Simultaneous, separate holes					
542	Shuffle	04/18/68	NTS	Shaft	Weapons Related	20 to 200 kt
543	Scroll Nuclear test detection experiment Accidental release of radioactivity detected on site only	04/23/68	NTS	Shaft	Vela Uniform	Less than 20 kt
544	Boxcar	04/26/68	NTS	Shaft	Weapons Related	1.3 Mt
545	Hatchet	05/03/68	NTS	Shaft	Weapons Related	Less than 20 kt
546	Crock	05/08/68	NTS	Shaft	Weapons Related	Less than 20 kt
547	Clarksmobile	05/17/68	NTS	Shaft	Weapons Related	20 to 200 kt
548	Adze Accidental release of radioactivity detected on site only	05/28/68	NTS	Shaft	Weapons Related	Less than 20 kt
549	Wembley	06/05/68	NTS	Shaft	Weapons Related	Less than 20 kt
	Tub-A	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
	Tub-B	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
550	Tub-C	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
	Tub-D	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
	Tub-F Simultaneous, separate holes	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
551	Rickey	06/15/68	NTS	Shaft	Weapons Related	20 to 200 kt
552	Funnel Accidental release of radioactivity detected on site only	06/25/68	NTS	Shaft	Weapons Related	Less than 20 kt

Sevilla 553 Accidental detecte 554 Chateaugay 555 Tanya Imp 615 Spud Getecte 557 Accidental detecte 559 Accidental detecte 560 Sled Getecte 660 Sled Getecte 66	rest villa Accidental release of radioactivity detected on site only ateaugay ud nya Accidental release of radioactivity detected on site only ck		Cocation Cocation Operation Crosstie Continued 6/25/68 NTS (Туре	Purpose	Yield Range
Se S	idental release of radioactivity latected on site only lugay idental release of radioactivity detected on site only			Pa		
Se Character Cha	idental release of radioactivity lugay idental release of radioactivity detected on site only		NTS NTS	3		
Christian Stories Stor	rugay idental release of radioactivity detected on site only		NTS	Shaft	Weapons Related	Less than 20 kt
Spuring Story Stor	idental release of radioactivity detected on site only			Shaft	Weapons Related	20 to 200 kt
Spender Start Tar	idental release of radioactivity detected on site only	07/17/68 07/30/68 08/09/68	Operation Bowline			
Tar Mage Sle Dia Mage Mage	idental release of radioactivity detected on site only	07/30/68 08/09/68 08/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
Storing Storin	idental release of radioactivity detected on site only	08/09/68	NTS	Shaft	Weapons Related	20 to 200 kt
Sto Sto We We Hu Hu Hu		08/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
Storing Storin			NTS	Shaft	Weapons Related	Less than 20 kt
Storing Storing We We Hu We	ina Moon DoD Test Accidental release of radioactivity detected on site only	08/27/68	NTS	Shaft	Weapons Effects	Less than 20 kt
Kni Kni We		08/29/68	NTS	Shaft	Weapons Related	20 to 200 kt
Sto Kni Kni Hu Kni Hu Kni Hu Kni Hu		89/90/60	NTS	Shaft	Weapons Related	20 to 200 kt
Sto Hu We Hu	T	09/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
K K K	nddard Excavation device development	09/17/68	NTS	Shaft	Plowshare	20 to 200 kt
Kn Kn Hu	dson Seal DoD Test	09/24/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
W Na Ne	0	10/03/68	NTS	Shaft	Weapons Related	Less than 20 kt
F	_	10/03/68	NTS	Shaft	Safety Experiment	Less than 20 kt
로		10/10/68	NTS	Shaft	Weapons Related	Less than 20 kt
	la Accidental release of radioactivity detected on site only	10/29/68	NTS	Shaft	Weapons Related	Less than 20 kt
Bit-A		10/31/68	NTS	Shaft	Safety Experiment	Less than 20 kt
569 Bit-B	B Simultaneous, same hole	10/31/68	NTS	Shaft	Safety Experiment	Less than 20 kt
570 File		10/31/68	NTS	Shaft	Weapons Related	Less than 20 kt
571 Crew		11/04/68	NTS	Shaft	Weapons Related	20 to 200 kt

	L D	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Bowline Continued			
	Crew-2nd	11/04/68	NTS	Shaft	Weapons Related	Less than 20 kt
572	Crew-3rd Simultaneous, same hole	11/04/68	NTS	Shaft	Weapons Related	Less than 20 kt
573	Knife B	11/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
574	Auger	11/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
575	Ming Vase DoD Test	11/20/68	NTS	Tunnei	Weapons Effects	Less than 20 kt
576	Tinderbox	11/22/68	NTS	Shaft	Weapons Related	Less than 20 kt
577	Schooner Release of radioactivity detected off site	12/08/68	NTS	Crater	Plowshare	30 kt
	Tyg-A	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
	Tyg-B	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
	Tyg-C	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
578	Tyg-D	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
	Tyg-E	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
	Tyg-F Simultaneous, separate holes Accidental release of radioactivity detected on site only	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
579	Bay Leaf	12/12/68	NTS	Shaft	Safety Experiment	Less than 20 kt
580	Scissors Accidental release of radioactivity detected on site only	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
581	Benham	12/19/68	NTS	Shaft	Weapons Related	1.15 Mt
582	Packard Accidental release of radioactivity detected on site only	01/15/69	NTS	Shaft	Weapons Effects	10 kt
583	Wineskin	01/15/69	NTS	Shaft	Weapons Related	20 to 200 kt
584	Shave	01/22/69	NTS	Shaft	Weapons Related	Less than 20 kt
585	Vise	01/30/69	NTS	Shaft	Weapons Related	20 to 200 kt

	5	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Bowline Continued	p _i		
586	Biggin	01/30/69	NTS	Shaft	Weapons Related	Less than 20 kt
287	Nipper	02/04/69	NTS	Shaft	Weapons Related	Less than 20 kt
588	Winch	02/04/69	NTS	Shaft	Weapons Related	Less than 20 kt
589	Cypress	02/12/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
290	Valise	03/18/69	NTS	Shaft	Safety Experiment	Less than 20 kt
591	Chatty	03/18/69	NTS	Shaft	Weapons Related	Less than 20 kt
592	Barsac Accidental release of radioactivity detected on site only	03/20/69	NTS	Shaft	Weapons Related	Less than 20 kt
593	Coffer	03/21/69	NTS	Shaft	Weapons Related	Less than 100 kt
	Gourd-Amber	04/24/69	NTS	Shaft	Weapons Related	Less than 20 kt
594	Gourd-Brown Simultaneous, separate holes	04/24/69	NTS	Shaft	Weapons Related	Less than 20 kt
595	Thistle	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
596	Blenton Accidental release of radioactivity	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
597	Purse	05/07/69	NTS	Shaft	Weapons Related	20 to 200 kt
298	Aliment	05/15/69	NTS	Shaft	Weapons Related	Less than 20 kt
299	Torrido	05/27/69	NTS	Shaft	Weapons Related	20 to 200 kt
	lpecac-A	05/27/69	NTS	Shaft	Safety Experiment	Less than 20 kt
009	Ipecac-B Simultaneous, separate holes Accidental release of radioactivity detected on site (trace)	05/27/69	NTS	Shaft	Safety Experiment	Less than 20 kt
601	Tapper Accidental release of radioactivity detected on site only	06/12/69	NTS	Shaft	Weapons Related	Less than 20 kt
	Bowl-1	06/26/69	NTS	Shaft	Weapons Related	Less than 20 kt
602	Bowl-2 Simultaneous, separate holes	06/26/69	NTS	Shaft	Weapons Related	Less than 20 kt

	5	United States	States Nuclear Tests Bv Date	Bv Date		
	Test		Location	Type	Purpose	Yield Range
			Operation Mandrel			
603	lldrim	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
604	Hutch	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
	Spider-A	08/14/69	NTS	Shaft	Weapons Related	Less than 20 kt
605	Spider-B Simultaneous, separate holes	08/14/69	NTS	Shaft	Weapons Related	Less than 20 kt
909	Pliers Accidental release of radioactivity detected on site only	08/27/69	NTS	Shaft	Weapons Related	Less than 20 kt
209	Horehound	08/27/69	NTS	Shaft	Weapons Related	Less than 20 kt
	Rulison	09/40/60	Charles On the Control of the Contro	6		W 01
808	Joint Government/industry gas stimulation experiment Operational release of radioactivity detected off site	09/10/69	Grand Valley, Colorado	Shaft	Plowshare	40 kt
609	Minute Steak DoD Test Accidental release of radioactivity detected on site only	09/12/69	NTS	Shaft	Weapons Effects	Less than 20 kt
610	Jorum	09/16/69	NTS	Shaft	Weapons Related	Less than 1 Mt
	Kyack-A	09/20/69	NTS	Shaft	Weapons Related	Less than 20 kt
611	Kyack-B Simultaneous, separate holes Accidental release of radioactivity detected on site only	09/20/69	NTS	Shaft	Weapons Related	Less than 20 kt
	Seaweed-C	10/01/69	NTS	Shaft	Safety Experiment	Less than 20 kt
	Seaweed-D	10/01/69	NTS	Shaft	Safety Experiment	Less than 20 kt
612	Seaweed-E Simultaneous, separate holes Accidental release of radioactivity detected on site only	10/01/69	STN	Shaft	Safety Experiment	Less than 20 kt
613	Milrow Seismic calibration	10/02/69	Amchitka, Alaska	Shaft	Weapons Related	About 1 Mt
614	Pipkin	10/08/69	NTS	Shaft	Weapons Related	200 to 1000 kt

	5	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Mandrel Continued	9		
615	Seaweed B Accidental release of radioactivity detected on site only	10/16/69	NTS	Shaft	Safety Experiment	Less than 20 kt
616	Cruet	10/29/69	NTS	Shaft	Weapons Related	11 kt
	Pod-A	10/29/69	NTS	Shaft	Weapons Related	
	Pod-B	10/29/69	NTS	Shaft	Weapons Related	
617	Pod-C	10/29/69	NTS	Shaft	Weapons Related	16.7 kt (Total)
	Pod-D Simultaneous, separate holes Accidental release of radioactivity detected off site only	10/29/69	NTS	Shaft	Weapons Related	()
618	Calabash	10/29/69	NTS	Shaft	Weapons Related	110 kt
	Scuttle	11/13/69	NTS	Shaft	Weapons Related	1.7 kt
619	Accidental release of radioactivity detected off site by aircraft only					
620	Piccalilli	11/21/69	NTS	Shaft	Weapons Related	20 to 200 kt
621	Planer	11/21/69	NTS	Shaft	Weapons Related	Less than 20 kt
622	Diesel Train DoD Test	12/05/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
	Culantro-A	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
623	Culantro-B Simultaneous, separate holes	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
	Tun-A	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
-	Tun-B	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
624	Tun-C	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
	Tun-D Simultaneous, separate holes Accidental release of radioactivity detected on site only	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
625	Grape A	12/17/69	NTS	Shaft	Weapons Related	20 to 200 kt

626 627 627 627 627 Fo	Test	Date (GCT)				
			Location	Type	Purpose	Yield Range
		Operatic	Operation Mandrel Continued	ied		
	Lovage	12/17/69	NTS	Shaft	Weapons Related	Less than 20 kt
	Terrine-White	12/18/69	NTS	Shaft	Weapons Related	20 to 200 kt
	Terrine-Yellow Simultaneous, separate holes	12/18/69	STN	Shaft	Weapons Related	20 to 200 kt
	Fob-Green	01/23/70	NTS	Shaft	Weapons Related	Less than 20 kt
2	Fob-Red	01/23/70	NTS	Shaft	Weapons Related	Less than 20 kt
ц	Fob-Blue Simultaneous, separate holes	01/23/70	NTS	Shaft	Weapons Related	Less than 20 kt
629 Aj	Ajo In mined shaft	01/30/70	NTS	Shaft	Weapons Related	Less than 20 kt
630 Gi	Grape B	02/04/70	NTS	Shaft	Weapons Related	20 to 200 kt
631 Be	Belen	02/04/70	NTS	Shaft	Weapons Related	20 to 200 kt
632 La	Labis	02/02/10	NTS	Shaft	Weapons Related	25 kt
633 Di	Diana Mist DoD Test	02/11/70	NTS	Tunnel	Weapons Effects	Less than 20 kt
634 Cı	Cumarin	02/25/70	NTS	Shaft	Weapons Related	20 to 200 kt
×	Yannigan-Red	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
635 Ye	Yannigan-Blue	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Υ,	Yannigan-White Simultaneous, separate holes	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
636	Cyathus	03/06/70	NTS	Shaft	Weapons Related	8.7 kt
₹	Arabis-Red	03/06/70	NTS	Shaft	Weapons Related	Less than 20 kt
637 Ar	Arabis-Green	03/06/70	STN	Shaft	Weapons Related	Less than 20 kt
Ā	Arabis-Blue Simultaneous, separate holes	03/06/70	NTS	Shaft	Safety Experiment	Less than 20 kt
638 Jal	al	03/19/70	NTS	Shaft	Weapons Related	Less than 20 kt
639 SF	Shaper	03/23/70	NTS	Shaft	Weapons Related	20 to 200 kt
640 Hg	Handley	03/26/70	NTS	Shaft	Weapons Related	More than 1 Mt

	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Mandrel Continued	De		
641	Snubber Accidental release of radioactivity detected off site	04/21/70	NTS	Shaft	Weapons Effects	12.7 kt
642	Can-Green Can-Red	04/21/70	NTS NTS	Shaft Shaft	Weapons Related Weapons Related	20 to 200 kt 20 to 200 kt
643	Simultaneous, separate holes Beebalm	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
	Hod-A (Green)	02/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
644	Hod-B (Red) Simultaneous, separate holes Accidental release of radioactivity detected on site only	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
645	Hod-C (Blue)	02/01/20	NTS	Shaft	Safety Experiment	Less than 20 kt
646	Mint Leaf DoD Test Controlled release of radioactivity detected off site	02/02/10	NTS	Tunnel	Weapons Effects	Less than 20 kt
647	Diamond Dust DoD Test Nuclear test detection experiment	05/12/70	NTS	Tunnel	Vela Uniform	Less than 20 kt
648	Cornice-Yellow Cornice-Green Simultaneous, separate holes	05/15/70	NTS NTS	Shaft Shaft	Weapons Related Weapons Related	20 to 200 kt 20 to 200 kt
649	Manzanas Accidental release of radioactivity detected on site only	05/21/70	NTS	Shaft	Weapons Related	Less than 20 kt
650	Morrones	05/21/70	NTS	Shaft	Weapons Related	20 to 200 kt
651	Hudson Moon DoD Test Accidental release of radioactivity detected on site only	05/26/70	NTS	Tunnel	Weapons Effects	Less than 20 kt

	n	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Mandrel Continued	Pí		
	Flask-Green	05/26/70	NTS	Shaft	Plowshare	105 kt
	Flask-Yellow	05/26/70	NTS	Shaft	Plowshare	Less than 20 kt
652	Flask-Red Simultaneous, separate holes Accidental release of radioactivity detected on site only	05/26/70	NTS	Shaft	Plowshare	Less than 20 kt
653	Piton-C Accidental release of radioactivity detected on site only	05/28/70	NTS	Shaft	Weapons Related	Less than 20 kt
	Piton-A	05/28/70	NTS	Shaft	Weapons Related	Less than 20 kt
654	Piton-B Simultaneous, separate holes Accidental release of radioactivity detected on site only	05/28/70	NTS	Shaft	Weapons Related	Less than 20 kt
655	Arnica-Yellow	06/26/70	NTS	Shaft	Weapons Related	Less than 20 kt
	Arnica-Violet	06/26/70	NTS	Shaft	Weapons Related	Less than 20 kt
		၁	Operation Emery			
	Scree-Acajou	10/13/70	NTS	Shaft	Weapons Related	Less than 20 kt
	Scree-Alhambra	10/13/70	NTS	Shaft	Weapons Related	Less than 20 kt
656	Scree-Chamois Simultaneous, separate holes Accidental release of radioactivity detected on site only	10/13/70	NTS	Shaft	Safety Experiment	Less than 20 kt
657	Tijeras	10/14/70	NTS	Shaft	Weapons Related	20 to 200 kt
	Truchas-Chacon	10/28/70	NTS	Shaft	Safety Experiment	Less than 20 kt
	Truchas-Chamisal	10/28/70	NTS	Shaft	Safety Experiment	Less than 20 kt
658	Truchas-Rodarte Simultaneous, separate holes Accidental release of radioactivity detected on site only	10/28/70	NTS	Shaft	Weapons Related	Less than 20 kt

	5	United States	States Nuclear Lesis By Date	oy vate		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Emery Continued	•		
629	Abeytas	11/05/70	NTS	Shaft	Weapons Related	20 to 200 kt
099	Penasco	11/19/70	NTS	Shaft	Weapons Related	Less than 20 kt
	Carrizozo	12/03/70	NTS	Shaft	Weapons Related	Less than 20 kt
661	Corazon Simultaneous, separate holes	12/03/70	NTS	Shaft	Weapons Related	Less than 20 kt
662	Artesia	12/16/70	NTS	Shaft	Weapons Related	20 to 200 kt
	Avens-Andorre	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
	Avens-Alkermes	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
663	Avens-Asamite	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
	Avens-Cream Simultaneous, separate holes Accidental release of radioactivity detected on site only	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
664	Canjilon	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
665	Carpetbag	12/17/70	NTS	Shaft	Weapons Related	220 kt
999	Baneberry Accidental release of radioactivity detected off site	12/18/70	NTS	Shaft	Weapons Related	10 kt
667	Embudo	06/16/71	NTS	Shaft	Weapons Related	Less than 20 kt
668	Laguna	06/23/71	NTS	Shaft	Weapons Related	20 to 200 kt
699	Dexter	06/23/71	NTS	Shaft	Safety Experiment	Less than 20 kt
670	Harebell	06/24/71	NTS	Shaft	Weapons Related	20 to 200 kt
671	Camphor Accidental release of radioactivity detected on site only	06/29/71	NTS	Tunnel	Weapons Effects	Less than 20 kt
		Ö	Operation Grommet			
672	Diamond Mine DoD Test Nuclear test detection experiment	12/10/20	NTS	Tunnel	Vela Uniform	Less than 20 kt
673	Miniata Device development experiment	12/08/20	NTS	Shaft	Plowshare	83 kt

674 Bracken 675 Apodaca 676 Barranca 677 Nama-Ma Simuli 678 Baltic 679 Algodone Frijoles-C	Test Bracken Apodaca Barranca	Date (GCT)	goileag	TVDB	Pirnose	Yield Bange
Prij rij rij rij rij rij rij rij rij rij	ken Jaca anca		ionesca Tomos) } -))) :) 7) 5 1 1
Bal Nai Algi Friji Triji	ken Jaca anca	Operation	Operation Grommet Continued	per		
Alga Bal	Jaca	07/09/71	NTS	Shaft	Weapons Related	Less than 20 kt
Bal Na Na High Friji Fri	anca	07/21/71	NTS	Shaft	Weapons Related	Less than 20 kt
Na N		08/04/71	NTS	Shaft	Weapons Related	Less than 20 kt
Na Bal Bal Frij	Nama-Amarylis	08/05/71	NTS	Shaft	Weapons Related	Less than 20 kt
	Nama-Mephisto Simultaneous, separate holes	08/05/71	NTS	Shaft	Weapons Related	Less than 20 kt
	0	08/06/71	NTS	Shaft	Weapons Related	Less than 20 kt
	Algodones	08/18/71	NTS	Shaft	Weapons Related	20 to 200 kt
	Frijoles-Deming	09/22/71	NTS	Shaft	Safety Experiment	Less than 20 kt
	Frijoles-Espuela	09/22/71	NTS	Shaft	Safety Experiment	Less than 20 kt
-	Frijoles-Guaje	09/22/71	NTS	Shaft	Weapons Related	Less than 20 kt
Frijo S	Frijoles-Petaca Simultaneous, separate holes	09/22/71	NTS	Shaft	Weapons Related	Less than 20 kt
681 Pedernal	ınal	09/29/71	NTS	Shaft	Weapons Related	Less than 20 kt
682 Chantilly	ntilly	09/29/71	NTS	Shaft	Weapons Related	Less than 20 kt
683 Cathay	ау	10/08/71	NTS	Shaft	Weapons Related	Less than 20 kt
684 Lagoon	on	10/14/71	NTS	Shaft	Weapons Related	Less than 20 kt
685 Cannikin	nnikin Test of warhead for Spartan missile	11/06/71	Amchitka, Alaska	Shaft	Weapons Related	Less than 5 Mt
Diag Diag	Diagonal Line DoD Test Accidental release of radioactivity detected off site by aircraft only	1/24/71	NTS	Shaft	Weapons Effects	Less than 20 kt
687 Parn	Parnassia	11/30/71	NTS	Shaft	Weapons Related	Less than 20 kt
688 Chae	Chaenactis	12/14/71	NTS	Shaft	Weapons Related	20 to 200 kt
	ah	12/14/71	NTS	Shaft	Weapons Related	Less than 20 kt
690 Yerba	B	12/14/71	NTS	Shaft	Weapons Related	Less than 20 kt
691 Mesc	Mescalero	01/05/72	NTS	Shaft	Weapons Related	Less than 20 kt
692 Cowles	es	02/03/72	NTS	Shaft	Weapons Related	Less than 20 kt
693 Dianthus	hus	02/17/72	NTS	Shaft	Weapons Related	Less than 20 kt

	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Grommet Continued	p:		
694	Sappho	03/23/72	SIN	Shaft	Weapons Related	Less than 20 kt
	Ocate	03/30/72	NTS	Shaft	Weapons Related	Less than 20 kt
695	Onaja Simultaneous, separate holes	03/30/72	NTS	Shaft	Weapons Related	Less than 20 kt
969	Longchamps	04/19/72	SIN	Shaft	Weapons Related	Less than 20 kt
697	Jicarilla	04/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
869	Misty North DoD Test	05/02/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
669	Kara	05/11/72	SIN	Shaft	Weapons Related	Less than 20 kt
700	Zinnia	05/17/72	SIN	Shaft	Weapons Related	Less than 20 kt
701	Monero	05/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
702	Merida	06/07/72	NTS	Shaft	Weapons Related	Less than 20 kt
703	Capitan	06/28/72	NTS	Shaft	Weapons Related	Less than 20 kt
704	Haplopappus	06/28/72	NTS	Shaft	Weapons Related	Less than 20 kt
705	Tajique	06/28/72	NTS	Shaft	Weapons Related	Less than 20 kt
		0	Operation Toggle			
206	Diamond Sculls DoD Test	07/20/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
202	Atarque	07/25/72	NTS	Shaft	Weapons Related	Less than 20 kt
	Cebolla	08/09/72	NTS	Shaft	Weapons Related	Less than 20 kt
708	Cuchillo	08/09/72	NTS	Shaft	Weapons Related	Less than 20 kt
	Solano Simultaneous, separate holes	08/09/72	NTS	Shaft	Safety Experiment	Less than 20 kt
209	Oscuro	09/21/72	NTS	Shaft	Weapons Related	20 to 200 kt
710	Delphinium	09/26/72	NTS	Shaft	Weapons Related	15 kt
711	Akbar	11/09/72	NTS	Shaft	Weapons Related	Less than 20 kt
712	Arsenate	11/09/72	NTS	Shaft	Weapons Related	Less than 20 kt

Type Purpose Vield Range 713 Cannal-Unifolus 11/17/72 NTS Shaft Weepons Related Leass han 20 kt 714 Simultaneous, same hole 11/17/72 NTS Shaft Weepons Related Leass han 20 kt 715 Flax-Source 127/17/2 NTS Shaft Weepons Related Leas han 20 kt 716 Flax-Source 127/17/2 NTS Shaft Weepons Related Leas han 20 kt 717 Flax-Source 127/17/2 NTS Shaft Weepons Related Leas han 20 kt 718 Authoria 122/17/2 NTS Shaft Weepons Related Leas han 20 kt 719 Menn 122/17/2 NTS Shaft Weepons Related Leas han 20 kt 719 Menn 122/17/2 NTS Shaft Weepons Related Leas han 20 kt 721 Authoria 020/04/3 NTS Shaft Weepons Related Leas han 20 kt 722 Velated 04/05/3 NTS NT			United States	States Nuclear Tests	By Date		
Cannat-Umbrinus T/17/72 NTS Shart Weapons Related Cannat-Umbrinus 11/17/72 NTS Shart Weapons Related Simulatenous, same hole 12/12/72 NTS Shart Weapons Related Tuldoso 12/12/72 NTS Shart Weapons Related Solanum 12/12/72 NTS Shart Weapons Related Flax-Source 12/12/72 NTS Shart Weapons Related Flax-Backup 12/21/72 NTS Shart Weapons Related Alumnoot 12/21/72 NTS Shart Weapons Related Aumoot 02/22/73 NTS Shart Weapons Related Natoma 04/25/73 NTS Shart Weapons Related Velanda 04/25/73 NTS Shart Weapons Related Colmor 04/25/73 NTS Shart Weapons Related Rind Banco-1 04/25/73 NTS Shart Weapons Related Rind Banco-2 05/17/73 Rille, Colorad		Test	Date (GCT)	Location	Туре	Purpose	Yield Range
Canna-Umbinus 11/17/2 NTS Shart Weapons Related Canna-Umbinus 11/17/2 NTS Shart Safety Experiment Simultaneous, same hole 12/12/2 NTS Shart Weapons Related Simultaneous, same hole 12/11/2 NTS Shart Weapons Related Flax-Backup 12/21/2 NTS Shart Weapons Related Flax-Backup 12/21/2 NTS Shart Weapons Related Flax-Backup 12/21/2 NTS Shart Weapons Related Alumrool 02/4/73 NTS Shart Weapons Related Alumrool 04/6/73 NTS Shart Weapons Related National 04/6/73 NTS Shart Weapons Related National 04/25/73 NTS Shart Weapons Related National 04/25/73 NTS Shart Weapons Related Colmor 04/25/73 NTS Shart Weapons Related Rindlaneous, separate hole 04/25/73			Operation	on Toggle Continue	P		
Cameulinoges 1117772 NTS Shaft Weepons Related Sinutlateous, same hole 1271272 NTS Shaft Weepons Related Solanum 1271272 NTS Shaft Weepons Related Flax-Source 1221772 NTS Shaft Weepons Related Flax-Backup 1221772 NTS Shaft Weepons Related Alumroot 02014773 NTS Shaft Weepons Related Minn 04026773 NTS Shaft Weepons Related Alumroot 04026773 NTS Shaft Weepons Related Alumroot 04026773 NTS Shaft Weepons Related Angus 04226773 NTS Shaft Weepons Related Angus 04226773 NTS Shaft Weepons Related Mestra 05/17/73 Rille, Colorado Shaft Weepons Related Rinulation experiment 05/17/73 Rille, Colorado Shaft Weepons Related Acabras 06/17/73 Rill		Canna-Umbrinus	11/17/72	NTS	4	Weapons Related	Less than 20 kt
Tuboso 12/12/72 NTS Shaft Weapons Related Solanum 12/14/72 NTS Shaft Weapons Related Flax-Source 12/14/72 NTS Shaft Weapons Effects Flax-Source 12/21/72 NTS Shaft Weapons Effects Flax-Backup 12/21/72 NTS Shaft Weapons Effects Alumcot 02/14/73 NTS Shaft Weapons Related Alumcot 03/03/73 NTS Shaft Weapons Related Alumcot 03/03/73 NTS Shaft Weapons Related Alumcot 03/03/73 NTS Shaft Weapons Related Angus 04/26/73 NTS Shaft Weapons Related Slamvot 04/26/73 NTS Shaft Weapons Related Rio Blanco-1 04/26/73 NTS Shaft Plowshare Rio Blanco-2 05/17/73 Rifle, Colorado Shaft Plowshare Rio Blanco-2 06/17/73 Rifle, Colorado Shaf	713	Canna-Limoges Simultaneous, same hole	11/17/72	NTS	Shaft	Safety Experiment	Less than 20 kt
Solanum 1214472 NTS Shaft Weapons Related Flax-Source 1221772 NTS Shaft Weapons Related Flax-Source 1221772 NTS Shaft Weapons Effects Flax-Backucus, same hole 1221772 NTS Shaft Weapons Effects Alumroot O2/4473 NTS Shaft Weapons Related Microa O2/4473 NTS Shaft Weapons Related Microa O3/2373 NTS Shaft Weapons Related Nations O4/6573 NTS Shaft Weapons Related Nations O4/2573 NTS Shaft Weapons Related Simultaneous, same hole O4/2573 NTS Shaft Weapons Related Simultaneous, same hole O6/42673 NTS Shaft Weapons Related Aloneous O6/42673 NTS Shaft Weapons Related Aloneous O6/42673 NTS Shaft Plowshare Alone Simultaneous, same hole O6/42673 <	714	Tuloso	12/12/72	NTS	Shaft	Weapons Related	Less than 20 kt
Flax-Source 11221/72 NTS Shaft Weapons Effects Flax-Fast Flax-Fast NTS Shaft Weapons Effects Simultaneous, same hole 12/21/72 NTS Shaft Weapons Effects Alumnoot 02/14/73 NTS Shaft Weapons Related Alumnoot 03/06/73 NTS Shaft Weapons Related Angus 04/25/73 NTS Shaft Weapons Related Angus 04/25/73 NTS Shaft Weapons Related Simultaneous, separate holes 04/25/73 NTS Shaft Weapons Related Simultaneous, separate holes 04/25/73 NTS Shaft Weapons Related Simultaneous, separate holes 06/09/73 NTS Shaft Weapons Related Rio Blanco-1 06/09/73 NTS Shaft Plowshare Rio Blanco-2 05/17/73 Rifle, Colorado Shaft Plowshare Rio Blanco-3 Shaft Neapons Related Neapons Related Rio Blanco-3 <	715	Solanum	12/14/72	NTS	Shaft	Weapons Related	Less than 20 kt
Flax-Backup 1221/72 NTS Shaft Weapons Effects Simultaneous, same hole 1221/72 NTS Shaft Weapons Effects Alumnoot 02214/73 NTS Shaft Weapons Related Alumnoot 02214/73 NTS Shaft Weapons Related Angus 0405/73 NTS Shaft Weapons Related Angus 0405/73 NTS Shaft Weapons Related Angus 0405/73 NTS Shaft Weapons Related Simultaneous, separate holes 04/26/73 NTS Shaft Weapons Related Simultaneous, separate holes 05/04/77 Rifle, Colorado Shaft Weapons Related Rio Blanco-1 05/04/77 Rifle, Colorado Shaft Plowshare Rio Blanco-2 05/17/73 Rifle, Colorado Shaft Plowshare Alicatesto 05/24/73 NTS Shaft Plowshare Assimulation experiment 05/24/73 NTS Shaft Weapons Effects Cabresto <td>716</td> <td>Flax-Source</td> <td>12/21/72</td> <td>NTS</td> <td>Shaft</td> <td>Weapons Related</td> <td>Less than 20 kt</td>	716	Flax-Source	12/21/72	NTS	Shaft	Weapons Related	Less than 20 kt
Flax-Backup 12Z1772 NTS Shaft Weapons Effects Alumroot Alumroot 02/1473 NTS Shaft Weapons Related Alumroot 03/29773 NTS Shaft Weapons Related Alumroot 04/0573 NTS Shaft Weapons Related Angus 04/0573 NTS Shaft Weapons Related Angus 04/0573 NTS Shaft Weapons Related Velatide 04/0573 NTS Shaft Weapons Related Velatide Simultaneous, separate holes 04/2673 NTS Shaft Weapons Related Colmor Odulor 04/2673 NTS Shaft Weapons Related Rio Blanco-1 05/04773 Rile, Colorado Shaft Plowshare Rio Blanco-2 05/1773 Rile, Colorado Shaft Plowshare John Government/industry quasted Shaft Weapons Related Shaft Weapons Related DioD Clear 06/04773 NTS Shaft Weapons Related<		Flax-Test	12/21/72	NTS	Shaft	Weapons Effects	20 to 200 kt
Alumnoot O2/14/73 NTS Shaft Weapons Related Gazook Gazook US/08/73 NTS Shaft Weapons Related Natoma 04/05/73 NTS Shaft Weapons Related Angus 04/25/73 NTS Shaft Weapons Related Angus 04/25/73 NTS Shaft Weapons Related Simultaneous, separate holes 04/26/73 NTS Shaft Weapons Related Simultaneous, separate holes 04/26/73 NTS Shaft Weapons Related Colmor Mestla NTS Shaft Weapons Related Rio Blanco-1 05/17/73 Rifle, Colorado Shaft Plowshare Rio Blanco-2 05/17/73 Rifle, Colorado Shaft Plowshare Joint Government/industry gas simulation experiment 05/24/73 NTS Shaft Weapons Related Cabbesto O6/224/73 NTS Shaft Weapons Related NTS Dick Ousen Dick Ousen 05/24/73 NTS	717	Flax-Backup Simultaneous, same hole	12/21/72	NTS	Shaft	Weapons Effects	Less than 20 kt
Miletra O3/08/73 NTS Shaft Weapons Related Gazook O3/23/73 NTS Shaft Weapons Related Angus O4/05/73 NTS Shaft Weapons Related Angus O4/25/73 NTS Shaft Weapons Related Velarde O4/25/73 NTS Shaft Weapons Related Simultaneous, separate holes O4/25/73 NTS Shaft Weapons Related Colinor Mesita Weapons Related Weapons Related NTS Shaft Weapons Related Rio Blanco-1 Bio Blanco-2 O5/17/73 Rifle, Colorado Shaft Weapons Related Rio Blanco-3 Simultaneous, same hole O5/17/73 Rifle, Colorado Shaft Plowshare Joint Government/Industry gas Simultaneous, same hole O5/17/73 Rifle, Colorado Shaft Plowshare Cabresto O6/17/73 Rifle, Colorado Shaft Weapons Related Kashan Weapons Related Weapons Related Weapons Related DoD	718	Alumroot	02/14/73	NTS	Shaft	Weapons Related	Less than 20 kt
Gazook O9/29/73 NTS Shaft Weapons Related Angus 04/05/73 NTS Shaft Weapons Related Angus 04/25/73 NTS Shaft Weapons Related Velarde Simultaneous, separate holes 04/25/73 NTS Shaft Weapons Related Simultaneous, separate holes O6/07/73 NTS Shaft Weapons Related Colmor Mesita NTS Shaft Weapons Related Rio Blanco-1 G0/07/73 RIfle, Colorado Shaft Plowshare Rio Blanco-3 Simultaneous, same hole O6/17/73 Rifle, Colorado Shaft Plowshare Alimultaneous, same hole O6/17/73 Rifle, Colorado Shaft Plowshare Simultaneous, same hole O6/17/73 Rifle, Colorado Shaft Plowshare John Government/Industry gas Simultaneous Shaft Weapons Related Asshan O6/24/73 NTS Shaft Weapons Effects DoD Test Almendro O6/07/23 NTS	719	Miera	03/08/73	NTS	Shaft	Weapons Related	20 to 200 kt
Angus NTS Shaft Weapons Related Angus 04/25/73 NTS Shaft Weapons Related Velarde Simultaneous, separate holes 04/25/73 NTS Shaft Weapons Related Colmor O4/26/73 NTS Shaft Weapons Related Proceeding Mesita Mesita NTS Shaft Weapons Related Proceeding Rio Blanco-1 05/17/73 Rifle, Colorado Shaft Plowshare Plowshare Rio Blanco-3 Simultaneous, same hole 05/17/73 Rifle, Colorado Shaft Plowshare Simultaneous, same hole 05/17/73 Rifle, Colorado Shaft Weapons Related Cabresto 05/17/73 NTS Shaft Weapons Effects Dido Queen	720	Gazook	03/23/73	NTS	Shaft	Weapons Related	Less than 20 kt
Angus On4/25/73 NTS Shaft Weapons Related Velarde Simultaneous, separate holes 04/25/73 NTS Shaft Weapons Related Colmor On4/26/73 NTS Shaft Weapons Related Colmor Os/19/73 NTS Shaft Weapons Related Rio Blanco-1 Os/19/73 Rifle, Colorado Shaft Plowshare Rio Blanco-2 Os/17/73 Rifle, Colorado Shaft Plowshare Rio Blanco-3 Os/17/73 Rifle, Colorado Shaft Plowshare Rio Blanco-3 Os/17/73 Rifle, Colorado Shaft Plowshare Simultaneous, same hole Simultaneous, same hole Simultaneous parenthol Simultaneous parenthol Simultaneous parenthol Simultaneous parenthol Simultaneous parenthol Simultaneous parenthol Simultaneous parenthol Shaft NTS Shaft Plowshare Cabresto Dido Queen Os/05/73 NTS Tunnel Weapons Effects Dido Queen Do Do Test Os/05/73 NTS NTS Namena Almendro Os/05/73 NTS NTS NAMENA	721	Natoma	04/05/73	NTS	Shaft	Weapons Related	Less than 20 kt
Velarde Simultaneous, separate holes 04/25/73 NTS Shaft Weapons Related Starwort Colmor 04/26/73 NTS Shaft Weapons Related Colmor Colmor 05/09/73 NTS Shaft Weapons Related Rio Blanco-1 G5/07/73 Riffe, Colorado Shaft Plowshare Rio Blanco-2 05/17/73 Riffe, Colorado Shaft Plowshare Rio Blanco-3 Simultaneous, same hole Joint Government/industry gas stimulation experiment 05/17/73 Riffe, Colorado Shaft Plowshare Cabresto 05/24/73 NTS Shaft Weapons Related Cabresto 05/24/73 NTS Shaft Weapons Related Dido Queen 06/05/73 NTS Tunnel Weapons Effects Almendro 06/06/73 NTS Hanter Weapons Related		Angus	04/25/73	NTS	Shaft	Weapons Related	Less than 20 kt
Starwort O4/26/73 NTS Shaft Weapons Related Colmor Mesita NTS Shaft Weapons Related Mesita 05/09/73 NTS Shaft Weapons Related Rio Blanco-1 05/17/73 Rifle, Colorado Shaft Plowshare Rio Blanco-3 Sinultaneous, same hole 05/17/73 Rifle, Colorado Shaft Plowshare Simultaneous, same hole Joint Government/Industry gas Rifle, Colorado Shaft Plowshare Cabresto Cabresto NTS Shaft Weapons Related Kashan Dido Queen MTS Shaft Weapons Related Dido Queen 06/05/73 NTS Tunnel Weapons Related Almendro 06/05/73 NTS Tunnel Weapons Related	722	Velarde Simultaneous, separate holes	04/25/73	NTS	Shaft	Weapons Related	Less than 20 kt
Colmor Colmor Od/26/73 NTS Shaft Weapons Related Rio Blanco-1 Rio Blanco-1 Rifle, Colorado Shaft Plowshare Rio Blanco-3 Rio Blanco-3 Shaft Plowshare Rio Blanco-3 Simultaneous, same hole Joint Government/industry gas stimulation experiment Rifle, Colorado Shaft Plowshare Cabresto Cabresto NTS Shaft Weapons Related Plowshare Kashan O5/24/73 NTS Shaft Weapons Related Plowshare Dido Queen Dido Queen O6/05/73 NTS Shaft Weapons Effects Almendro Almendro O6/06/73 NTS Shaft Weapons Related	723	Starwort	04/26/73	NTS	Shaft	Weapons Related	90 kt
Mesita O5/09/73 NTS Shaft Weapons Related Rio Blanco-1 Rio Blanco-2 Shaft Plowshare Rio Blanco-3 Riffe, Colorado Shaft Plowshare Rio Blanco-3 Simultaneous, same hole Simultaneous, same hole Joint Government/industry gas stimulation experiment Raffe, Colorado Shaft Plowshare Cabresto Cabresto NTS NTS Shaft Weapons Related Dido Queen Dido Queen 06/05/73 NTS Tunnel Weapons Effects Almendro Almendro 06/06/73 NTS Shaft Weapons Related	724	Colmor	04/26/73	NTS	Shaft	Weapons Related	Less than 20 kt
Rio Blanco-1 Riffe, Colorado Shaft Plowshare Rio Blanco-3 05/17/73 Riffe, Colorado Shaft Plowshare Rio Blanco-3 Simultaneous, same hole Simultaneous, sa	725	Mesita	05/09/73	NTS	Shaft	Weapons Related	Less than 20 kt
Rio Blanco-2O5/17/73Rifle, ColoradoShaftPlowshareRio Blanco-3 Simultaneous, same hole Joint Government/Industry gas stimulation experiment05/17/73Rifle, ColoradoShaftPlowshareCabrestoO5/24/73NTSShaftWeapons RelatedDido Queen DoD Test06/05/73NTSTunnelWeapons EffectsAlmendro06/06/73NTSTunnelWeapons Related		Rio Blanco-1	05/17/73	Rifle, Colorado	Shaft	Plowshare	33 Kt
Rio Blanco-3 Simultaneous, same hole Simultaneous, same hole Joint Government/Industry gas stimulation experimentO5/24/73Rifle, ColoradoShaftPlowshareCabresto KashanO5/24/73NTSShaftWeapons RelatedDido Queen DoD TestO6/05/73NTSTunnelWeapons EffectsAlmendroO6/06/73NTSShaftWeapons Related		Rio Blanco-2	05/17/73	Rifle, Colorado	Shaft	Plowshare	33 kt
Cabresto O5/24/73 NTS Shaft Weapons Related Kashan O6/05/73 NTS Tunnel Weapons Effects DoD Test Almendro O6/06/73 NTS NTS Weapons Related	726	Rio Blanco-3 Simultaneous, same hole Joint Government/industry gas stimulation experiment	05/17/73	Rifle, Colorado	Shaft	Plowshare	33 Kt
Kashan 05/24/73 NTS Shaft Weapons Related Dido Queen 06/05/73 NTS Tunnel Weapons Effects Almendro 06/06/73 NTS Shaft Weapons Related	727	Cabresto	05/24/73	NTS	Shaft	Weapons Related	Less than 20 kt
Dido Queen 06/05/73 NTS Tunnel Weapons Effects DoD Test Almendro 06/06/73 NTS Shaft Weapons Related	728	Kashan	05/24/73	NTS	Shaft	Weapons Related	Less than 20 kt
Almendro 06/06/73 NTS Shaft Weapons Related	729	Dido Queen DoD Test	06/05/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
	730	Almendro	6/06/73	NTS	Shaft	Weapons Related	200 to 1000 kt

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	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Toggle Continued			
731	Potrillo	06/21/73	NTS	Shaft	Weapons Related	20 to 200 kt
732	Portulaca	06/28/73	NTS	Shaft	Weapons Related	20 to 200 kt
733	Silene	06/28/73	NTS	Shaft	Weapons Related	Less than 20 kt
)	Operation Arbor			
734	Polygonum	10/05/73	NTS	Shaft	Weapons Related	Less than 20 kt
735	Waller	10/05/73	NTS	Shaft	Weapons Related	Less than 20 kt
736	Husky Ace DoD Test	10/12/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
737	Bernal	11/28/73	NTS	Shaft	Weapons Related	Less than 20 kt
738	Pajara	12/12/73	NTS	Shaft	Weapons Related	Less than 20 kt
739	Seafoam	12/13/73	NTS	Shaft	Weapons Related	Less than 20 kt
740	Elida	12/19/73	NTS	Shaft	Weapons Related	Less than 20 kt
741	Spar	12/19/73	NTS	Shaft	Safety Experiment	Less than 20 kt
	Pinedrops-Sloat	01/10/74	NTS	Shaft	Weapons Related	Less than 20 kt
742	Pinedrops-Tawny	01/10/74	NTS	Shaft	Weapons Related	Less than 20 kt
	Pinedrops-Bayou Simultaneous, same hole	01/10/74	NTS	Shaft	Weapons Related	Less than 20 kt
743	Latir	02/27/74	NTS	Shaft	Weapons Related	20 to 200 kt
744	Hulsea	03/14/74	NTS	Shaft	Weapons Related	Less than 20 kt
745	Sapello	04/12/74	NTS	Shaft	Weapons Related	Less than 20 kt
746	Portrero	04/23/74	NTS	Shaft	Weapons Related	Less than 20 kt
747	Plomo	05/01/74	NTS	Shaft	Weapons Related	Less than 20 kt
748	dib	05/08/74	NTS	Shaft	Weapons Related	Less than 20 kt
749	Grove	05/22/74	NTS	Shaft	Weapons Related	Less than 20 kt
750	Fallon	05/23/74	NTS	Shaft	Joint US-UK	20 to 200 kt
751	Jara	06/06/74	NTS	Shaft	Weapons Related	Less than 20 kt
752	Ming Blade DoD Test	06/19/74	NTS	Tunnel	Weapons Effects	Less than 20 kt

		omica oraics	olaics Mucieal Tests -	oy Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		lo	Operation Bedrock			
753	Escabosa	07/10/74	NTS	Shaft	Weapons Related	20 to 200 kt
	Crestlake-Tansan	07/18/74	NTS	Shaft	Weapons Related	Less than 20 kt
754	Crestlake-Briar Simultaneous, same hole	07/18/74	NTS	Shaft	Weapons Related	Less than 20 kt
755	Puye	08/14/74	NTS	Shaft	Weapons Related	Less than 20 kt
756	Portmanteau	08/30/74	NTS	Shaft	Weapons Related	20 to 200 kt
757	Pratt	09/25/74	NTS	Shaft	Weapons Related	Less than 20 kt
758	Stanyan	09/26/74	NTS	Shaft	Weapons Related	20 to 200 kt
759	Trumbull	09/26/74	NTS	Shaft	Weapons Related	Less than 20 kt
760	Estaca	10/17/74	NTS	Shaft	Weapons Related	Less than 20 kt
761	Hybla Fair DoD Test	10/28/74	NTS	Tunnel	Weapons Effects	Less than 20 kt
762	Temescal	11/02/74	NTS	Shaft	Weapons Related	Less than 20 kt
763	Puddle	11/26/74	NTS	Shaft	Safety Experiment	Less than 20 kt
764	Keel	12/16/74	NTS	Shaft	Weapons Related	Less than 20 kt
	Portola	02/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
765	Portola-Larkin Simultaneous, same hole	02/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
99/	Teleme	02/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
767	Bilge	02/19/75	NTS	Shaft	Weapons Related	Less than 20 kt
768	Topgallant	02/28/75	NTS	Shaft	Weapons Related	20 to 200 kt
692	Cabrillo	03/07/75	NTS	Shaft	Weapons Related	20 to 200 kt
770	Dining Car DoD Test	04/05/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
77.1	Edam	04/24/75	NTS	Shaft	Weapons Related	20 to 200 kt
772	Obar	04/30/75	NTS	Shaft	Weapons Related	20 to 200 kt
773	Tybo	05/14/75	NTS	Shaft	Weapons Related	200 to 1000 kt
774	Stilton	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
775	Mizzen	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
776	Alviso	06/11/75	NTS	Shaft	Safety Experiment	Less than 20 kt

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	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Bedrock Continued	pe		
777	Futtock	06/18/75	NTS	Shaft	Safety Experiment	Less than 20 kt
778	Mast	06/19/75	NTS	Shaft	Weapons Related	200 to 1000 kt
779	Camembert	06/26/75	NTS	Shaft	Weapons Related	200 to 1000 kt
			Operation Anvil			
780	Marsh	92/90/60	NTS	Shaft	Weapons Related	Less than 20 kt
781	Husky Pup DoD Test	10/24/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
782	Kasseri	10/28/75	NTS	Shaft	Weapons Related	200 to 1000 kt
783	Deck	11/18/75	NTS	Shaft	Weapons Related	Less than 20 kt
784	Inlet	11/20/75	NTS	Shaft	Weapons Related	200 to 1000 kt
785	Leyden	11/26/75	NTS	Shaft	Weapons Related	Less than 20 kt
786	Chiberta	12/20/75	NTS	Shaft	Weapons Related	20 to 200 kt
787	Muenster	01/03/76	NTS	Shaft	Weapons Related	200 to 1000 kt
788	Keelson	02/04/76	NTS	Shaft	Weapons Related	20 to 200 kt
789	Esrom	02/04/76	NTS	Shaft	Weapons Related	20 to 200 kt
790	Fontina	02/12/76	NTS	Shaft	Weapons Related	200 to 1000 kt
791	Cheshire	02/14/76	NTS	Shaft	Weapons Related	200 to 500 kt
792	Shallows	02/26/76	NTS	Shaft	Weapons Related	Less than 20 kt
793	Estuary	03/09/76	NTS	Shaft	Weapons Related	200 to 500 kt
794	Colby	03/14/76	NTS	Shaft	Weapons Related	500 to 1000 kt
795	Pool	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
796	Strait	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
797	Mighty Epic DoD Test	05/12/76	NTS	Tunnel	Weapons Effects	Less than 20 kt
798	Rivoli	05/20/76	NTS	Shaft	Weapons Related	Less than 20 kt
799	Billet	07/27/76	NTS	Shaft	Weapons Related	20 to 150 kt
800	Banon	08/26/76	NTS	Shaft	Joint US-UK	20 to 150 kt
		0	Operation Fulcrum			
801	Gouda	10/06/76	NTS	Shaft	Weapons Related	Less than 20 kt
802	Sprit	11/10/76	NTS	Shaft	Weapons Related	Less than 20 kt

		United States	States Nuclear Tests By Date	By Date		
	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
2000 - 18. 19 - 18. 19 - 18. 19.		Operation	Operation Fulcrum Continued	per		
803	Chevre	11/23/76	NTS	Shaft	Weapons Related	Less than 20 kt
804	Redmud	12/08/76	NTS	Shaft	Weapons Related	Less than 20 kt
805	Asiago	12/21/76	NTS	Shaft	Weapons Related	Less than 20 kt
806	Sutter	12/21/76	NTS	Shaft	Weapons Related	Less than 20 kt
807	Rudder	12/28/76	NTS	Shaft	Weapons Related	20 to 150 kt
	Cove	02/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
808	Oarlock Simultaneous, separate holes	02/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
	Dofino	03/08/77	NTS	Shaft	Weapons Related	Less than 20 kt
808	Dofino-Lawton Simultaneous, same hole	03/08/77	NTS	Shaft	Weapons Related	Less than 20 kt
810	Marsilly	04/05/77	NTS	Shaft	Weapons Related	20 to 150 kt
811	Bulkhead	04/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
812	Crewline	05/25/77	NTS	Shaft	Weapons Related	20 to 150 kt
813	Forefoot	06/02/77	NTS	Shaft	Weapons Related	Less than 20 kt
814	Carnelian	07/28/77	NTS	Shaft	Weapons Related	Less than 20 kt
815	Strake	08/04/77	NTS	Shaft	Weapons Related	20 to 150 kt
816	Flotost	08/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
	Gruyere	08/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
817	Gruyere-Gradino Simultaneous, same hole	08/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
818	Scantling	08/19/77	NTS	Shaft	Weapons Related	20 to 150 kt
819	Scupper	08/19/77	NTS	Shaft	Weapons Related	Less than 20 kt
820	Ebbtide	09/15/77	NTS	Shaft	Weapons Related	Less than 20 kt
821	Coulommiers	09/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
		lo	Operation Cresset			
822	Bobstay	10/26/77	NTS	Shaft	Weapons Related	Less than 20 kt
823	Hybia Gold DoD Test	11/01/77	NTS	Tunnel	Weapons Effects	Less than 20 kt

	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	Operation Cresset Continued	þé		
824	Sandreef	11/09/77	NTS	Shaft	Weapons Related	20 to 150 kt
825	Seamount	11/17/77	NTS	Shaft	Weapons Related	Less than 20 kt
826	Farallones	12/14/77	NTS	Shaft	Weapons Related	20 to 150 kt
827	Rib	12/14/77	NTS	Shaft	Weapons Related	Less than 20 kt
828	Campos	02/13/78	NTS	Shaft	Weapons Related	Less than 20 kt
829	Reblochon	02/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
830	Karab	03/16/78	NTS	Shaft	Weapons Related	Less than 20 kt
831	Iceberg	03/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
832	Topmast	03/23/78	NTS	Shaft	Weapons Related	Less than 20 kt
833	Backbeach	04/11/78	NTS	Shaft	Weapons Related	20 to 150 kt
834	Fondutta	04/11/78	NTS	Shaft	Joint US-UK	20 to 150 kt
835	Asco	04/25/78	NTS	Shaft	Safety Experiment	Less than 20 kt
836	Transom No nuclear yield Device was destroyed by Hearts	05/10/78	NTS	Shaft	Weapons Related	Zero
837	Jackpots	06/01/78	NTS	Shaft	Weapons Related	Less than 20 kt
838	Satz	07/07/78	NTS	Shaft	Weapons Related	Less than 20 kt
839	Lowball	07/12/78	NTS	Shaft	Weapons Related	20 to 150 kt
840	Panir	08/31/78	NTS	Shaft	Weapons Related	20 to 150 kt
841	Diablo Hawk DoD Test	09/13/78	NTS	Tunnel	Weapons Effects	Less than 20 kt
842	Draughts	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt
843	Rummy	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt
	Cremino	09/27/78	NTS	Shaft	Weapons Related	Less than 20 kt
844	Cremino-Caerphilly Simultaneous, same hole	09/27/78	NTS	Shaft	Weapons Related	Less than 20 kt
		edO	Operation Quicksilver			
845	Emmenthal	11/02/78	NTS	Shaft	Weapons Related	Less than 20 kt
946	* Quargel	11/18/78	NTS	Shaft	Joint US-UK	20 to 150 kt
847	Concentration	12/01/78	NTS	Shaft	Weapons Related	Less than 20 kt

	U	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Quicksilver Continued	pen		
848	Farm	12/16/78	NTS	Shaft	Weapons Related	20 to 150 kt
849	Baccarat	01/24/79	NTS	Shaft	Weapons Related	Less than 20 kt
850	Quinella	02/08/79	NTS	Shaft	Weapons Related	20 to 150 kt
851	Kloster	02/15/79	NTS	Shaft	Weapons Related	20 to 150 kt
852	Memory	03/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
853	Freezeout	05/11/79	NTS	Shaft	Weapons Related	Less than 20 kt
854	Pepato	06/11/29	NTS	Shaft	Weapons Related	20 to 150 kt
855	Chess	06/20/29	NTS	Shaft	Weapons Related	Less than 20 kt
856	Fajy	06/28/79	NTS	Shaft	Weapons Related	20 to 150 kt
857	Burzet	62/80/80	NTS	Shaft	Weapons Related	20 to 150 kt
858	Offshore	62/80/80	NTS	Shaft	Weapons Related	20 to 150 kt
859	Nessel	08/29/79	NTS	Shaft	Joint US-UK	20 to 150 kt
860	Hearts Detonation destroyed Transom device that did not detonate on 05/10/78	62/90/60	NTS	Shaft	Weapons Related	140 kt
861	Pera	62/80/60	NTS	Shaft	Weapons Related	Less than 20 kt
862	Sheepshead	09/26/79	NTS	Shaft	Weapons Related	20 to 150 kt
	F		Operation Tinderbox			
863	Backgammon	11/29/79	NTS	Shaft	Weapons Related	Less than 20 kt
864	Azul Detonation destroyed Peninsula device that was damaged during emplacement on 10/23/75 Peninsula device was not tested	12/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
865	Tarko	02/28/80	NTS	Shaft	Weapons Related	Less than 20 kt
998	Norbo	03/08/80	NTS	Shaft	Weapons Related	Less than 20 kt
867	Liptauer	04/03/80	NTS	Shaft	Weapons Related	20 to 150 kt
868	Pyramid	04/16/80	NTS	Shaft	Weapons Related	20 to 150 kt
869	Colwick	04/26/80	NTS	Shaft	Joint US-UK	20 to 150 kt
870	Canfield	05/02/80	NTS	Shaft	Weapons Related	Less than 20 kt
871	Flora	05/22/80	NTS	Shaft	Weapons Related	Less than 20 kt

	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
		Operation	Operation Tinderbox Continued	pen		
872	Kash	06/12/80	NTS	Shaft	Weapons Related	20 to 150 kt
873	Huron King DoD Test	06/24/80	NTS	Shaft	Weapons Effects	Less than 20 kt
874	Tafi	02/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
875	Verdello	02/31/80	NTS	Shaft	Weapons Related	Less than 20 kt
876	Bonarda	09/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
877	Riola Accidental release of radioactivity detected off site	09/25/80	NTS	Shaft	Weapons Related	1.07 kt
1		do	Operation Guardian			
878	Dutchess	10/24/80	NTS	Shaft	Joint US-UK	Less than 20 kt
879	Miners Iron DoD Test	10/31/80	NTS	Tunnel	Weapons Effects	Less than 20 kt
880	Dauphin	11/14/80	NTS	Shaft	Weapons Related	Less than 20 kt
881	Serpa	12/17/80	NTS	Shaft	Joint US-UK	20 to 150 kt
882	Baseball	01/15/81	NTS	Shaft	Weapons Related	20 to 150 kt
883	Clairette	02/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
884	Seco	02/25/81	NTS	Shaft	Weapons Related	Less than 20 kt
885	Vide	04/30/81	NTS	Shaft	Weapons Related	Less than 20 kt
886	Aligote	05/29/81	NTS	Shaft	Weapons Related	Less than 20 kt
887	Harzer	06/06/81	NTS	Shaft	Weapons Related	20 to 150 kt
888	Niza	07/10/81	NTS	Shaft	Weapons Related	Less than 20 kt
688	Pineau	07/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
890	Havarti	08/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
891	Islay	08/27/81	NTS	Shaft	Weapons Related	Less than 20 kt
892	Trebbiano	09/04/81	SIN	Shaft	Weapons Related	Less than 20 kt
893	Cernada	09/24/81	NTS	Shaft	Weapons Related	Less than 20 kt
			Operation Praetorian			
894	Paliza	10/01/81	NTS	Shaft	Weapons Related	20 to 150 kt
895	Tilci	11/11/81	SIN	Shaft	Weapons Related	20 to 150 kt
968	Rousanne	11/12/81	NTS	Shaft	Joint US-UK	20 to 150 kt

		United States	States Nuclear Tests By Date	- By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Operation Praetorian Continued	peni		
897	Akavi	12/03/81	NTS	Shaft	Weapons Related	20 to 150 kt
868	Caboc	12/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
899	Jornada	01/28/82	NTS	Shaft	Weapons Related	139 kt
900	Molbo	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt
901	Hosta	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt
905	Tenaja	04/17/82	NTS	Shaft	Weapons Related	Less than 20 kt
903	Gibne	04/25/82	NTS	Shaft	Joint US-UK	20 to 150 kt
904	Kryddost	05/06/82	NTS	Shaft	Weapons Related	Less than 20 kt
905	Bouschet	05/07/82	NTS	Shaft	Weapons Related	20 to 150 kt
906	Kesti	06/16/82	NTS	Shaft	Weapons Related	Less than 20 kt
907	Nebbiolo	06/24/82	NTS	Shaft	Weapons Related	20 to 150 kt
808	Monterey	07/29/82	NTS	Shaft	Weapons Related	20 to 150 kt
606	Atrisco	08/02/82	NTS	Shaft	Weapons Related	138 kt
910	Queso	08/11/82	NTS	Shaft	Weapons Related	Less than 20 kt
911	Cerro	09/02/82	NTS	Shaft	Weapons Related	Less than 20 kt
912	Huron Landing DoD Test Simultaneous with Diamond Ace	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
913	Diamond Ace DoD Test Simultaneous with Huron Landing	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
914	Frisco	09/23/82	NTS	Shaft	Weapons Related	20 to 150 kt
915	Borrego	09/29/82	NTS	Shaft	Weapons Related	Less than 150 kt
	_	lo	Operation Phalanx			
916	Seyval	11/12/82	NTS	Shaft	Weapons Related	Less than 20 kt
917	Manteca	12/10/82	NTS	Shaft	Weapons Related	20 to 150 kt
918	Coalora	02/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
919	Cheedam	02/17/83	NTS	Shaft	Weapons Related	Less than 20 kt
920	Cabra	03/26/83	NTS	Shaft	Weapons Related	20 to 150 kt

T A Milk	Test	Date (GCT)		Type	Purpose	Yield Range
A Arrian						
Arr Crr Fa Da La		Орегац	Operation Phalanx continued	Q		
Arr Crc Mir Da	Turquoise	04/14/83	NTS	Shaft	Weapons Related	Less than 150 kt
Cr. Pa	Armada	04/22/83	NTS	Shaft	Joint US-UK	Less than 20 kt
Mir Pa La	Crowdie	05/05/83	NTS	Shaft	Weapons Related	Less than 20 kt
	Mini Jade DoD Test	05/26/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
	Fahada	05/26/83	NTS	Shaft	Weapons Related	Less than 20 kt
	Danablu	68/60/90	NTS	Shaft	Weapons Related	Less than 20 kt
L	Laban	08/03/83	NTS	Shaft	Weapons Related	Less than 20 kt
928 Sa	Sabado	08/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
929 Jar	Jansberg	08/27/83	NTS	Shaft	Weapons Related	Less than 20 kt
930 Ch	Chancellor	09/01/83	NTS	Shaft	Weapons Related	143 kt
931 To	Tomme/Midnight Zephyr DoD Test	09/21/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
Bri	Branco	09/21/83	NTS	Shaft	Weapons Related	Less than 20 kt
932 Bra	Branco-Herkimer Simultaneous, same hole	09/21/83	NTS	Shaft	Weapons Related	Less than 20 kt
933 Te	Techado	09/22/83	NTS	Shaft	Weapons Related	Less than 150 kt
934 Na	Navata	09/29/83	NTS	Shaft	Safety Experiment	Less than 20 kt
			Operation Fusileer			
935 ∥ พเ	Muggins	12/09/83	NTS	Shaft	Weapons Related	Less than 20 kt
936 Ro	Romano	12/16/83	NTS	Shaft	Weapons Related	20 to 150 kt
937 Gc	Gorbea	01/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
938 Mi	Midas Myth/Milagro DoD Test	02/15/84	NTS	Tunnel	Weapons Effects	Less than 20 kt
939 To	Tortugas	03/01/84	NTS	Shaft	Weapons Related	20 to 150 kt
940	Agrini Accidental release of radioactivity detected on site only	03/31/84	NTS	Shaft	Weapons Related	Less than 20 kt
941 ML	Mundo	05/01/84	NTS	Shaft	Joint US-UK	20 to 150 kt
942 Or	Orkney	05/02/84	NTS	Shaft	Weapons Related	Less than 20 kt
943 Be	Bellow	05/16/84	NTS	Shaft	Weapons Related	Less than 20 kt

			United States	States Nuclear Tests	- By Date		
	Test		Date (GCT)	Location	Type	Purpose	Yield Range
			Operatio	Operation Fusileer Continued	led		
944	Caprock		05/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
945	Duoro		06/20/84	NTS	Shaft	Weapons Related	20 to 150 kt
946	Normanna		07/12/84	NTS	Shaft	Weapons Related	Less than 20 kt
947	Kappeli		07/25/84	NTS	Shaft	Weapons Related	20 to 150 kt
948	Correo		08/02/84	NTS	Shaft	Weapons Related	Less than 20 kt
949	Dolcetto		08/30/84	NTS	Shaft	Weapons Related	Less than 20 kt
950	Wexford		08/30/84	NTS	Shaft	Weapons Related	Less than 20 kt
951	Breton		09/13/84	NTS	Shaft	Weapons Related	20 to 150 kt
			10.000	Operation Grenadier			
952	Vermejo		10/02/84	NTS	Shaft	Weapons Related	Less than 20 kt
953	Villita		11/10/84	NTS	Shaft	Weapons Related	Less than 20 kt
954	Egmont		12/09/84	NTS	Shaft	Joint US-UK	20 to 150 kt
955	Tierra		12/15/84	NTS	Shaft	Weapons Related	20 to 150 kt
926	Minero		12/20/84	NTS	Shaft	Weapons Related	Less than 20 kt
957	Vaughn		03/15/85	NTS	Shaft	Weapons Related	20 to 150 kt
958	Cottage		03/23/85	NTS	Shaft	Weapons Related	20 to 150 kt
959	Hermosa		04/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
096	Misty Rain DoD Test Controlled release of radioactivity detected off site	oactivity	04/06/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
961	Towanda		05/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
962	Salut		06/12/85	NTS	Shaft	Weapons Related	20 to 150 kt
963	Ville		06/12/85	NTS	Shaft	Weapons Related	Less than 20 kt
964	Maribo		06/26/85	NTS	Shaft	Weapons Related	Less than 20 kt
965	Serena		07/25/85	NTS	Shaft	Weapons Related	20 to 150 kt
996	Cebrero		08/14/85	NTS	Shaft	Weapons Related	Less than 20 kt
296	Chamita		08/17/85	NTS	Shaft	Weapons Related	Less than 20 kt
968	Ponil		09/27/85	NTS	Shaft	Weapons Related	Less than 20 kt

		United States	states nuclear lests	бу пате		
	Test	Date (GCT)	Location	Туре	Purpose	Yield Range
)dO	Operation Charioteer			
696	Mill Yard DoD Test	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
970	Diamond Beech DoD Test	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
971	Roquefort	10/16/85	NTS	Shaft	Weapons Related	20 to 150 kt
972	Abo	10/30/85	NTS	Shaft	Weapons Related	Less than 20 kt
973	Kinibito	12/05/85	NTS	Shaft	Joint US-UK	20 to 150 kt
974	Goldstone	12/28/85	NTS	Shaft	Weapons Related	20 to 150 kt
975	Glencoe Operational release of radioactivity detected off site	03/22/86	NTS	Shaft	Weapons Related	29 kt
976	Mighty Oak DoD Test Controlled release of radioactivity detected off site	04/10/86	NTS	Tunnel	Weapons Effects	Less than 20 kt
977	Mogollon	04/20/86	SIN	Shaft	Weapons Related	Less than 20 kt
978	Jefferson	04/22/86	NTS	Shaft	Weapons Related	20 to 150 kt
979	Panamint	05/21/86	SIN	Shaft	Weapons Related	Less than 20 kt
980	Тајо	06/05/86	SIN	Shaft	Weapons Related	20 to 150 kt
981	Darwin	06/25/86	NTS	Shaft	Joint US-UK	20 to 150 kt
982	Cybar	07/17/86	NTS	Shaft	Weapons Related	119 Kt
983	Cornucopia	07/24/86	NTS	Shaft	Weapons Related	Less than 20 kt
984	Galveston	09/04/86	NTS	Shaft	Weapons Related	Less than 20 kt
985	Aleman	09/11/86	SIN	Shaft	Weapons Related	Less than 20 kt
986	Labquark	09/30/86	NTS	Shaft	Weapons Related	20 to 150 kt
		0.0000000000000000000000000000000000000	Operation Musketeer			
987	Belmont	10/16/86	NTS	Shaft	Weapons Related	20 to 150 kt
988	Gascon	11/14/86	NTS	Shaft	Weapons Related	20 to 150 kt
686	Bodie	12/13/86	NTS	Shaft	Weapons Related	20 to 150 kt

		United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operation	Musketeer Continued	pen		
	Hazebrook-Emerald (Green)	02/03/87	NTS	Shaft	Weapons Related	Less than 20 kt
066	Hazebrook-Checkerberry (Red)	02/03/87	NTS	Shaft	Weapons Related	Less than 20 kt
	Hazebrook-Apricot (Orange) Simultaneous, same hole	02/03/87	STN	Shaft	Safety Experiment	Less than 20 kt
991	Tornero	02/11/87	NTS	Shaft	Weapons Related	Less than 20 kt
992	Middle Note DoD Test	03/18/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
993	Delamar	04/18/87	NTS	Shaft	Weapons Related	20 to 150 kt
994	Presidio	04/22/87	NTS	Shaft	Weapons Related	Less than 20 kt
995	Hardin	04/30/87	NTS	Shaft	Weapons Related	20 to 150 kt
966	Brie	06/18/87	NTS	Shaft	Weapons Related	Less than 20 kt
997	Mission Ghost DoD Test	06/20/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
866	Panchuela	06/30/87	NTS	Shaft	Weapons Related	Less than 20 kt
666	Midland	07/16/87	NTS	Shaft	Joint US-UK	20 to 150 kt
90	Tahoka	08/13/87	NTS	Shaft	Weapons Related	20 to 150 kt
100	Lockney	09/24/87	NTS	Shaft	Weapons Related	20 to 150 kt
	-	Ope	Operation Touchstone			
1002	Borate	10/23/87	NTS	Shaft	Weapons Related	20 to 150 kt
1003	Waco	12/01/87	NTS	Shaft	Weapons Related	Less than 20 kt
1004	Mission Cyber DoD Test	12/02/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
1005	Kernville	02/15/88	NTS	Shaft	Weapons Related	20 to 150 kt
1006	Abilene	04/07/88	NTS	Shaft	Weapons Related	Less than 20 kt
1007	Schellbourne	05/13/88	NTS	Shaft	Weapons Related	Less than 150 kt
1008	Laredo	05/21/88	NTS	Shaft	Weapons Related	Less than 150 kt
1009	_	06/02/88	NTS	Shaft	Weapons Related	Less than 150 kt
1010	Rhyolite Simultaneous with Nightingale	06/22/88	NTS	Shaft	Weapons Related	Less than 150 kt

Name of the control of the c			United	States Nuclear Tests	- By Date		
Nightingale Operation Touchstone Continued Nightingale NIS Shaft N Alamo O7/07/88 NTS Shaft N Alamo O6/22/88 NTS Shaft N Kearsarge 06/77/88 NTS Shaft N Harlingan-A 06/23/88 NTS Shaft N Builtrag 06/23/88 NTS Shaft N Builtrag NTS Shaft N Builtrag NTS Shaft N Monahars-A 11/09/88 NTS Shaft N Kawich A-White 12/09/88 NTS Shaft N Kawich A-White 12/09/88 NTS Shaft Shaft Misy Echo NTS NTS Shaft Shaft DoD Test 02/10/89 NTS Shaft Shaft Palisade-1 06/15/89 NTS Shaft Shaft Palisade-2 06/15/89 NTS Shaft <td< th=""><th></th><th>Test</th><th>Date (GCT)</th><th>Location</th><th>Type</th><th>Purpose</th><th>Yield Range</th></td<>		Test	Date (GCT)	Location	Type	Purpose	Yield Range
Supplingable OFC2/88 NTS Shaft N Adamo OFFOT/88 NTS Shaft N Adamo OB427/88 NTS Shaft N Harlingan-A OB623/88 NTS Shaft N Builtrog OB623/88 NTS Shaft N Builtrog OB623/88 NTS Shaft N Amonahara-B NORAHARA NTS Shaft N Amonahara-B NORAHARA-A NTS Shaft N Kawich A-White 11/09/88 NTS Shaft N Kawich A-Bu NTS NTS Shaft N Acavich-Bad OC224/89 NTS Shaft Shaft Ingot OC224/89 NTS Shaft Shaft Palisade-1 OC5/26/89 NTS Shaft Shaft Palisade-2 OC5/26/89 NTS Shaft Shaft Contact Simultaneous, same hole OC5/26/89 NTS <td< td=""><td></td><td></td><td>Operation</td><td>Touchstone Cont</td><td>panuj</td><td></td><td></td></td<>			Operation	Touchstone Cont	panuj		
Alamo O7/07/98 NTS Shaft N Kearsarge 08/17/88 NTS Shaft N Harlingen-A 08/23/88 NTS Shaft N Harlingen-B 08/23/88 NTS Shaft N Bullfrog 08/23/88 NTS Shaft N Bullfrog 08/23/88 NTS Shaft N Monahans-A 11/09/88 NTS Shaft N Kawich A-Blue 12/09/88 NTS Shaft N Kawich A-Blue 12/09/88 NTS Shaft N Millaneous, same hole 12/09/88 NTS Shaft Kawich-Black 00/16/89 NTS Shaft Simultaneous, same hole 02/24/89 NTS Shaft Ingot 02/24/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Contact NTS Shaft Notate <td>1011</td> <td>Nightingale Simultaneous with Rhyolite</td> <td>06/22/88</td> <td>NTS</td> <td>Shaft</td> <td>Safety Experiment</td> <td>Less than 150 kt</td>	1011	Nightingale Simultaneous with Rhyolite	06/22/88	NTS	Shaft	Safety Experiment	Less than 150 kt
Kearsarge 08/17/88 NTS Shaft N Harlingen-A 08/23/88 NTS Shaft N Harlingen-B 08/23/88 NTS Shaft N Bullfrog 08/23/88 NTS Shaft N Monahans-B Nonahans-B NTS Shaft N Kawich A-Wille 11/09/88 NTS Shaft N Kawich A-Blue 12/09/88 NTS Shaft N Masy Echo 00 Test 12/10/89 NTS Shaft N Kawich-Black 00 Test 02/10/89 NTS Shaft Shaft Simultaneous, same hole 02/10/89 NTS Shaft Shaft Kawich-Black 02/10/89 NTS Shaft Shaft Simultaneous, same hole 02/10/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Contact 05/15/89 NTS Shaft	1012	Alamo	07/07/88	NTS	Shaft	Weapons Related	Less than 150 kt
Harlingen-A 08/23/88 NTS Shaft NIS Shaft Shaft <td>1013</td> <td>Kearsarge</td> <td>08/17/88</td> <td>NTS</td> <td>Shaft</td> <td>Weapons Related</td> <td>Less than 150 kt</td>	1013	Kearsarge	08/17/88	NTS	Shaft	Weapons Related	Less than 150 kt
Harlingen-B Simultaneous, same hole OB/23/88 NTS Shaft Dalhart 10/13/88 NTS Shaft Monahans-B Simultaneous, same hole 11/09/88 NTS Shaft Kawich-Back Simultaneous, same hole 12/09/88 NTS Shaft Kawich-Back Simultaneous, same hole 12/10/89 NTS Shaft Kawich-Back Simultaneous, same hole 02/24/89 NTS Shaft Kawich-Back Simultaneous, same hole 02/24/89 NTS Shaft Palisade-1 03/09/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Tulia Sind Shaft Shaft Tulia Sind Shaft Shaft Tulia Shaft Shaft Shaft Tulia Sind Shaft Shaft Sind Shaft Shaft Shaft Sind Shaft		Harlingen-A	08/23/88	NTS	Shaft	Weapons Related	Less than 20 kt
Operation Cornerstone Operation Cornerstone Shaft Intog/88 NTS Shaft Intog/88 Intog Intog <th< td=""><td>4</td><td>Harlingen-B Simultaneous, separate holes</td><td>08/23/88</td><td>NTS</td><td>Shaft</td><td>Weapons Related</td><td>Less than 20 kt</td></th<>	4	Harlingen-B Simultaneous, separate holes	08/23/88	NTS	Shaft	Weapons Related	Less than 20 kt
Coperation Cornerstone Operation Cornerstone Monahans-A 11/09/88 NTS Shaft Monahans-B 11/09/88 NTS Shaft Kawich A-Wilte 12/09/88 NTS Shaft Kawich A-Wilte 12/09/88 NTS Shaft Kawich A-Wilte 12/10/88 NTS Shaft Misy Echo 0D Test 12/10/89 NTS Shaft Misy Echo 0D Test 02/10/89 NTS Shaft I Exarkana 02/10/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft I Ingot 02/15/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft I ulia 05/15/89 NTS Shaft I ulia <td>1015</td> <td>Builfrog</td> <td>88/30/88</td> <td>NTS</td> <td>Shaft</td> <td>Weapons Related</td> <td>Less than 150 kt</td>	1015	Builfrog	88/30/88	NTS	Shaft	Weapons Related	Less than 150 kt
Monahart 10/13/88 NTS Shaft Monahars-A 11/09/88 NTS Shaft Monahars-B 11/09/88 NTS Shaft Kawich A-White 12/09/88 NTS Shaft Kawich A-White 12/09/88 NTS Shaft Kawich A-Blue 12/09/88 NTS Shaft Misy Echo 12/10/89 NTS Shaft Misy Echo 00D Test 12/10/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft Ingot NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Tulia 10/22/89 NTS Shaft Contach 10/22/89 NTS Shaft Simultaneous, same hole 05/15/89 NTS Shaft Contach 10/22/89 NTS Shaft Contach 1							
Monabans-A 11/09/88 NTS Shaft Monabans-B 11/09/88 NTS Shaft Simultaneous, separate holes 12/09/88 NTS Shaft Kawich A-White 12/09/88 NTS Shaft Kawich A-Blue 12/09/88 NTS Shaft Misty Echo 12/10/89 NTS Shaft Texarkan 02/24/89 NTS Shaft Kawich-Black NTS Shaft Shaft Fawich-Black 02/24/89 NTS Shaft Ingot NTS Shaft Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Tulia Shaft Shaft Shaft Chatest NTS Shaft Shaft	1016	Dalhart	10/13/88	NTS	Shaft	Weapons Related	Less than 150 kt
Monahans-B Simultaneous, separate holes 11/09/88 NTS Shaft Kawich A-White 12/09/88 NTS Shaft Kawich A-Blue Simultaneous, same hole DoD Test 12/10/88 NTS Shaft Texarkana Kawich-Black Simultaneous, same hole DoB Test 02/10/89 NTS Shaft Kawich-Black Simultaneous, same hole Palisade-1 02/24/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Tulia Tulia 05/28/89 NTS Shaft Contact 06/28/89 NTS Shaft Contact 06/28/89 NTS Shaft Contact 06/28/89 NTS Shaft		Monahans-A	11/09/88	NTS	Shaft	Weapons Related	Less than 20 kt
Kawich A-White 12/09/88 NTS Shaft Kawich A-Blue 12/09/88 NTS Shaft Misty Echo 12/10/88 NTS Tunnel DoD Test 02/10/89 NTS Shaft Kawich-Back 02/24/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft Ingot 03/09/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Tulia 05/26/89 NTS Shaft Tulia 05/26/89 NTS Shaft	1017	Monahans-B Simultaneous, separate holes	11/09/88	NTS	Shaft	Weapons Related	Less than 20 kt
Kawich A-Blue 12/09/88 NTS Shaft Simultaneous, same hole 12/10/88 NTS Tunnel Misty Echo 02/10/89 NTS Shaft Texarkana 02/24/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft Ingot NTS Shaft Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Consach 05/15/89 NTS Shaft Consach 05/15/89 NTS Shaft		Kawich A-White	12/09/88	NTS	Shaft	Safety Experiment	Less than 20 kt
Misty Echo 12/10/88 NTS Tunnel DoD Test 02/10/89 NTS Shaft Texarkana 02/24/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft Ingot 03/09/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Contact 06/26/89 NTS Shaft Contact 06/26/89 NTS Shaft	8101	Kawich A-Blue Simultaneous, same hole	12/09/88	NTS	Shaft	Safety Experiment	Less than 20 kt
Texarkana 02/10/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft Simultaneous, same hole 03/09/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Tulia 05/26/89 NTS Shaft Contact 05/26/89 NTS Shaft	1019	Misty Echo DoD Test	12/10/88	NTS	Tunnel	Weapons Effects	Less than 150 kt
Kawich-Red 02/24/89 NTS Shaft Kawich-Black 02/24/89 NTS Shaft Ingot 03/09/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Tulia 06/26/89 NTS Shaft Contact 06/26/89 NTS Shaft	1020	Texarkana	02/10/89	NTS	Shaft	Weapons Related	20 to 150 kt
Kawich-Black O2/24/89 NTS Shaft Simultaneous, same hole 03/09/89 NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Tulia 05/26/89 NTS Shaft Contact 05/26/89 NTS Shaft		Kawich-Red	02/24/89	NTS	Shaft	Weapons Related	Less than 20 kt
Ingot NTS Shaft Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Tulia 05/26/89 NTS Shaft Contact 05/26/89 NTS Shaft	702	Kawich-Black Simultaneous, same hole	02/24/89	NTS	Shaft	Safety Experiment	Less than 20 kt
Palisade-1 05/15/89 NTS Shaft Palisade-2 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Tulia 05/26/89 NTS Shaft Contact 05/26/89 NTS Shaft	1022	Ingot	68/60/80	NTS	Shaft	Weapons Related	20 to 150 kt
Palisade-2 05/15/89 NTS Shaft Palisade-3 05/15/89 NTS Shaft Tulia 05/26/89 NTS Shaft Contact 05/26/89 NTS Shaft		Palisade-1	05/15/89	SIN	Shaft	Weapons Related	Less than 20 kt
Palisade-3 D5/15/89 NTS Shaft Simultaneous, same hole 05/26/89 NTS Shaft Tulia 06/22/89 NTS Shaft	1023	Palisade-2	05/15/89	NTS	Shaft	Safety Experiment	Less than 20 kt
Tulia 05/26/89 NTS Shaft Contact 06/22/89 NTS Shaft		Palisade-3 Simultaneous, same hole	05/15/89	NTS	Shaft	Safety Experiment	Less than 20 kt
Contact NTS Shaft	1024	Tulia	05/26/89	NTS	Shaft	Weapons Related	Less than 20 kt
	1025	Contact	06/22/89	NTS	Shaft	Weapons Related	20 to 150 kt

				Unite	ed States	United States Nuclear Tests By Date	By Date		
		Test		Õ	Date (GCT)	Location	Type	Purpose	Yield Range
					Operation (Operation Cornerstone Continued	peni		
1026	Amarillo				06/27/89	NTS	Shaft	Weapons Related	20 to 150 kt
1027	Disko Elm DoD Test				09/14/89	NTS	Tunnel	Weapons Effects	Less than 20 kt
]	Op	Operation Aqueduct		_	
1028	Hornitos				10/31/89	NTS	Shaft	Weapons Related	20 to 150 kt
1029	Muleshoe				11/15/89	NTS	Shaft	Weapons Related	Less than 20 kt
1030	Barnwell				12/08/89	NTS	Shaft	Joint US-UK	20 to 150 kt
1031	Whiteface-A		i		12/20/89	NTS	Shaft	Safety Experiment	Less than 20 kt
	Whiteface-B Simultaneous, same hole	tme hole			12/20/89	NTS	Shaft	Safety Experiment	Less than 20 kt
1032	Metropolis				03/10/90	NTS	Shaft	Weapons Related	20 to 150 kt
1033	Bowie				04/06/90	NTS	Shaft	Weapons Related	Less than 20 kt
1034	Bullion				06/13/90	NTS	Shaft	Weapons Related	20 to 150 kt
1035	Austin				06/21/90	NTS	Shaft	Weapons Related	Less than 20 kt
	Mineral Quarry		,	,	07/25/90	NTS	Tunnel	Weapons Effects	Less than 20 kt
1036	Randsburg Simultaneous, separate drifts DoD Test	parate drifts			07/25/90	STN	Tunnel	Weapons Related	Less than 20 kt
1037	Sundown-A				09/20/90	NTS	Shaft	Safety Experiment	Less than 20 kt
	Sundown-B Simultaneous, same hole	ime hole			09/20/90	NTS	Shaft	Safety Experiment	Less than 20 kt
1038	Ledoux				09/27/90	NTS	Shaft	Weapons Related	Less than 20 kt
						Operation Sculpin			
1039	Tenabo				10/12/90	NTS	Shaft	Weapons Related	20 to 150 kt
1040	Houston				11/14/90	NTS	Shaft	Joint US-UK	20 to 150 kt
	Coso-Bronze				03/08/91	NTS	Shaft	Weapons Related	Less than 20 kt
1041	Coso-Gray				03/08/91	NTS	Shaft	Weapons Related	Less than 20 kt
	Coso-Silver Simultaneous, same hole	me hole			03/08/91	NTS	Shaft	Safety Experiment	Less than 20 kt

	ηN	United States	States Nuclear Tests	By Date		
	Test	Date (GCT)	Location	Type	Purpose	Yield Range
		Operatio	Operation Sculpin Continued	P		
1042	Bexar	04/04/91	NTS	Shaft	Weapons Related	20 to 150 kt
1043	Montello	04/16/91	NTS	Shaft	Weapons Related	20 to 150 kt
1044	Floydada	08/15/91	NTS	Shaft	Weapons Related	Less than 20 kt
1045	Hoya Treaty verification test	09/14/91	NTS	Shaft	Weapons Related	20 to 150 kt
1046	Distant Zenith DoD Test	09/19/91	NTS	Tunnel	Weapons Effects	Less than 20 kt
		Ú	Operation Julin			
1047	Lubbock	10/18/91	NTS	Shaft	Weapons Related	20 to 150 kt
1048	Bristol	11/26/91	NTS	Shaft	Joint US-UK	Less than 20 kt
1049	Junction Treaty verification test	03/26/92	NTS	Shaft	Weapons Related	20 to 150 kt
1050	Diamond Fortune DoD Test	04/30/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
1051	Victoria	06/19/92	NTS	Shaft	Weapons Related	Less than 20 kt
	Galena-Yellow	06/23/92	NTS	Shaft	Weapons Related	Less than 20 kt
1052	Galena-Orange	06/23/92	NTS	Shaft	Safety Experiment	Less than 20 kt
····	Galena-Green Simultaneous, same hole	06/23/92	NTS	Shaft	Safety Experiment	Less than 20 kt
1053	Hunters Trophy DoD test to ensure reliability of U.S. deterrent forces	09/18/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
1054	Divider Test to ensure the sefety of	09/23/92	NTS	Shaft	Weapons Related	Less than 20 kt
<u> </u>						

	United S	United States Nuclear Detonations	tonations	By Name		
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range	
Aardvark	05/12/62	NTS	Shaft	Weapons Related	40 kt	Т
Abeytas	11/05/70	NTS	Shaft	Weapons Related	20 to 200 kt	
Abilene	04/07/88	NTS	Shaft	Weapons Related	Less than 20 kt	
Able	06/30/46	Bikini	Airdrop	Weapons Effects	21 kt	
Able	01/27/51	NTS	Airdrop	Weapons Related	1 kt	
Able	10/22/51	NTS	Tower	Weapons Related	Less than 0.1 kt	
Able	04/01/52	NTS	Airdrop	Weapons Effects	1 kt	<u> </u>
Abo	10/30/85	NTS	Shaft	Weapons Related	Less than 20 kt	_
Absinthe	05/26/67	NTS	Shaft	Safety Experiment	Less than 20 kt	Γ
Ace	06/11/64	NTS	Shaft	Plowshare	Less than 20 kt	
Acushi	02/08/63	NTS	Shaft	Weapons Related	Low	T
Adobe	04/25/62	Christmas Island area	Airdrop	Weapons Related	190 kt	
Adze	05/28/68	NTS	Shaft	Weapons Related	Less than 20 kt	
Agile	02/23/67	NTS	Shaft	Weapons Related	20 to 200 kt	
Agouti	01/18/62	NTS	Shaft	Weapons Related	6.4 kt	
Agrini	03/31/84	NTS	Shaft	Weapons Related	Less than 20 kt	
Ahtanum	09/13/63	NTS	Shaft	Weapons Related	Low	
Ajax	11/11/66	NTS	Shaft	Weapons Related	Less than 20 kt	
Ajo	01/30/70	NTS	Shaft	Weapons Related	Less than 20 kt	
Akavi	12/03/81	NTS	Shaft	Weapons Related	20 to 150 kt	
Akbar	11/09/72	NTS	Shaft	Weapons Related	Less than 20 kt	
Alamo	07/07/88	NTS	Shaft	Weapons Related	Less than 150 kt	
Aleman	09/11/86	NTS	Shaft	Weapons Related	Less than 20 kt	
Algodones	08/18/71	NTS	Shaft	Weapons Related	20 to 200 kt	
Aligote	05/29/81	NTS	Shaft	Weapons Related	Less than 20 kt	
Aliment	05/15/69	NTS	Shaft	Weapons Related	Less than 20 kt	
Allegheny	09/29/62	NTS	Shaft	Weapons Related	Low	
Alma	06/08/62	Christmas Island area	Airdrop	Weapons Related	782 kt	7
Almendro	06/06/73	NTS	Shaft	Weapons Related	200 to 1000 kt	
Alpaca	02/12/65	NTS	Shaft	Weapons Related	330 tons	

Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Alumroot	02/14/73	NTS	Shaft	Weapons Related	Less than 20 kt
Alva	08/19/64	NTS	Shaft	Weapons Related	4.4 Kt
Alviso	06/11/75	NTS	Shaft	Safety Experiment	Less than 20 kt
Amarillo	06/27/89	NTS	Shaft	Weapons Related	20 to 150 kt
Anacostia	11/27/62	NTS	Shaft	Plowshare	Low
Anchovy	11/14/63	NTS	Shaft	Weapons Related	Low
Androscoggin	10/02/62	Johnston Island area	Airdrop	Weapons Related	75 kt
Angus	04/25/73	NTS	Shaft	Weapons Related	Less than 20 kt
Annie	03/17/53	NTS	Tower	Weapons Related	16 kt
Antler	09/15/61	NTS	Tunnel	Weapons Related	2.6 kt
Apache	07/08/56	Enewetak	Barge	Weapons Related	1.85 Mt
Apodaca	07/21/71	NTS	Shaft	Weapons Related	Less than 20 kt
Apple-1	03/29/55	NTS	Tower	Weapons Related	14 Kt
Apple-2	05/05/55	NTS	Tower	Weapons Related	29 kt
Apshapa	69/90/90	NTS	Shaft	Weapons Related	Low
Arabis-Blue	03/06/70	NTS	Shaft	Safety Experiment	Less than 20 kt
Arabis-Green	03/06/70	NTS	Shaft	Weapons Related	Less than 20 kt
Arabis-Red	03/06/70	NTS	Shaft	Weapons Related	Less than 20 kt
Argus I	08/27/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Argus II	08/30/28	South Atlantic	Rocket	Weapons Effects	1-2 kt
Argus III	09/06/58	South Atlantic	Rocket	Weapons Effects	1-2 kt
Arikaree	05/10/62	NTS	Shaft	Weapons Related	Low
Arkansas	05/02/62	Christmas Island area	Airdrop	Weapons Related	1.09 Mt
Armada	04/22/83	NTS	Shaft	Joint US-UK	Less than 20 kt
Armadillo	02/09/62	NTS	Shaft	Weapons Related	7.1 kt
Arnica-Violet	06/26/70	NTS	Shaft	Weapons Related	Less than 20 kt
Arnica-Yellow	06/26/70	NTS	Shaft	Weapons Related	Less than 20 kt
Arsenate	11/09/72	NTS	Shaft	Weapons Related	Less than 20 kt
Artesia	12/16/70	NTS	Shaft	Weapons Related	20 to 200 kt
Asco	04/25/78	NTS	Shaft	Safety Experiment	Less than 20 kt
Asiano	1, 10, 0,				

Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Aspen	06/14/58	Bikini	Barge	Weapons Related	319 kt
Atarque	07/25/72	NTS	Shaft	Weapons Related	Less than 20 kt
Atrisco	08/05/82	NTS	Shaft	Weapons Related	138 Kt
Auger	11/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
Auk	10/02/64	NTS	Shaft	Weapons Related	Less than 20 kt
Austin	06/21/90	NTS	Shaft	Weapons Related	Less than 20 kt
Avens-Alkermes	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
Avens-Andorre	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
Avens-Asamite	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
Avens-Cream	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
Aztec	04/27/62	Christmas Island area	Airdrop	Weapons Related	410 kt
Azul	12/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
Baccarat	01/24/79	NTS	Shaft	Weapons Related	Less than 20 kt
Backbeach	04/11/78	NTS	Shaft	Weapons Related	20 to 150 kt
Backgammon	11/29/79	NTS	Shaft	Weapons Related	Less than 20 kt
Backswing	05/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
Badger	04/18/53	NTS	Tower	Weapons Related	23 kt
Baker	07/24/46	Bikini	Underwater	Weapons Effects	21 kt
Baker	01/28/51	NTS	Airdrop	Weapons Related	8 kt
Baker	10/28/51	NTS	Airdrop	Weapons Related	3.5 kt
Baker	04/15/52	NTS	Airdrop	Weapons Effects	1 kt
Baker-2	02/02/51	NTS	Airdrop	Weapons Related	8 kt
Baltic	08/06/71	NTS	Shaft	Weapons Related	Less than 20 kt
Bandicoot	10/19/62	NTS	Shaft	Weapons Related	12.5 kt
Baneberry	12/18/70	SIN	Shaft	Weapons Related	10 kt
Banon	08/26/76	NTS	Shaft	Joint US-UK	20 to 150 kt
Barbei	10/16/64	NTS	Shaft	Weapons Related	Less than 20 kt
Barnwell	12/08/89	NTS	Shaft	Joint US-UK	20 to 150 kt
Barracuda	12/04/63	NTS	Shaft	Weapons Related	Low
Barranca	08/04/71	NTS	Shaft	Weapons Related	Less than 20 kt
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		United States Nuclear Detonations	tonations	· By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Baseball	01/15/81	NTS	Shaft	Weapons Related	20 to 150 kt
Bay Leaf	12/12/68	NTS	Shaft	Safety Experiment	Less than 20 kt
Bee	03/22/55	NTS	Tower	Weapons Related	8 Kt
Beebalm	02/01/20	NTS	Shaft	Weapons Related	Less than 20 kt
Belen	02/04/70	SIN	Shaft	Weapons Related	20 to 200 kt
Bellow	05/16/84	SIN	Shaft	Weapons Related	Less than 20 kt
Belmont	10/16/86	SIN	Shaft	Weapons Related	20 to 150 kt
Benham	12/19/68	NTS	Shaft	Weapons Related	1.15 Mt
Bernal	11/28/73	NTS	Shaft	Weapons Related	Less than 20 kt
Bernalillo	09/17/58	SIN	Shaft	Safety Experiment	15 tons
Bevel	04/04/68	NTS	Shaft	Weapons Related	Less than 20 kt
Bexar	04/04/91	NTS	Shaft	Weapons Related	20 to 150 kt
Biggin	01/30/69	NTS	Shaft	Weapons Related	Less than 20 kt
Bighorn	06/27/62	Christmas Island area	Airdrop	Weapons Related	7.65 Mt
Bilby	09/13/63	NTS	Shaft	Weapons Related	249 kt
Bilge	02/19/75	NTS	Shaft	Weapons Related	Less than 20 kt
Billet	07/27/76	NTS	Shaft	Weapons Related	20 to 150 kt
Bit-A	10/31/68	NTS	Shaft	Safety Experiment	Less than 20 kt
Bit-B	10/31/68	NTS	Shaft	Safety Experiment	Less than 20 kt
Bitterling	06/12/64	NTS	Shaft	Weapons Related	Less than 20 kt
Black	04/27/62	NTS	Shaft	Weapons Related	Гом
Blackfoot	06/11/56	Enewetak	Tower	Weapons Related	8 kt
Blanca	10/30/58	NTS	Tunnel	Weapons Related	22 kt
Blenton	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Bluegill 3 Prime	10/26/62	Johnston Island area	Rocket	Weapons Effects	Submegaton
Bluestone	06/30/62	Christmas Island area	Airdrop	Weapons Related	1.27 Mt
Bobac	08/24/62	NTS	Shaft	Weapons Related	Гом
Bobstay	10/26/77	NTS	Shaft	Weapons Related	Less than 20 kt
Bodie	12/13/86	NTS	Shaft	Weapons Related	20 to 150 kt
Bogey	04/17/64	NTS	Shaft	Weapons Related	Less than 20 kt
Boltzmann	05/28/57	NTS	Tower	Weapons Related	12 kt

Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Bonarda	09/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
Bonefish	02/18/64	NTS	Shaft	Weapons Related	Less than 20 kt
Boomer	10/01/61	NTS	Shaft	Weapons Related	Low
Borate	10/23/87	NTS	Shaft	Weapons Related	20 to 150 kt
Bordeaux	08/18/67	NTS	Shaft	Weapons Related	Less than 20 kt
Borrego	09/29/82	NTS	Shaft	Weapons Related	Less than 150 kt
Bourbon	01/20/67	NTS	Shaft	Weapons Related	20 to 200 kt
Bouschet	05/07/82	NTS	Shaft	Weapons Related	20 to 150 kt
Bowie	04/06/90	NTS	Shaft	Weapons Related	Less than 20 kt
Bowl-1	06/26/69	SIN	Shaft	Weapons Related	Less than 20 kt
Bowl-2	06/26/69	NTS	Shaft	Weapons Related	Less than 20 kt
Boxcar	04/26/68	NTS	Shaft	Weapons Related	1.3 Mt
Bracken	07/09/71	SIN	Shaft	Weapons Related	Less than 20 kt
Branco	09/21/83	NTS	Shaft	Weapons Related	Less than 20 kt
Branco-Herkimer	09/21/83	SIN	Shaft	Weapons Related	Less than 20 kt
Bravo	02/28/54	Bikini	Surface	Weapons Related	15 Mt
Brazos	03/08/62	NTS	Shaft	Weapons Related	8.4 kt
Breton	09/13/84	NTS	Shaft	Weapons Related	20 to 150 kt
Brie	06/18/87	NTS	Shaft	Weapons Related	Less than 20 kt
Bristol	11/26/91	NTS	Shaft	Joint US-UK	Less than 20 kt
Bronze	07/23/65	NTS	Shaft	Weapons Related	20 to 200 kt
Brush	01/24/68	NTS	Shaft	Weapons Related	Less than 20 kt
Buff	12/16/65	NTS	Shaft	Weapons Related	20 to 200 kt
Buggy-A	03/12/68	NTS	Crater	Plowshare	1.08 kt
Buggy-B	03/12/68	NTS	Crater	Plowshare	1.08 kt
Buggy-C	03/12/68	NTS	Crater	Plowshare	1.08 kt
Buggy-D	03/12/68	NTS	Crater	Plowshare	1.08 kt
Buggy-E	03/12/68	NTS	Crater	Plowshare	1.08 kt
Bulkhead	04/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
Bullfrog	08/30/88	NTS	Shaft	Weapons Related	Less than 150 kt
D. Hion	06/13/90	C LN	Shaft	Weanons Belated	20 to 150 kt

		United States Nuclear Detonations	onations	By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Bumping	10/06/62	Johnston Island area	Airdrop	Weapons Related	11.3 kt
Bunker	02/13/64	NTS	Shaft	Weapons Related	Less than 20 kt
Burzet	08/03/79	NTS	Shaft	Weapons Related	20 to 150 kt
Buteo	05/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Butternut	05/11/58	Enewetak	Barge	Weapons Related	81 kt
Bye	07/16/64	NTS	Shaft	Weapons Related	20 to 200 kt
Caboc	12/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
Cabra	03/26/83	NTS	Shaft	Weapons Related	20 to 150 kt
Cabresto	05/24/73	NTS	Shaft	Weapons Related	Less than 20 kt
Cabrillo	03/07/75	NTS	Shaft	Weapons Related	20 to 200 kt
Cabriolet	01/26/68	NTS	Crater	Plowshare	2.3 kt
Cactus	05/05/58	Enewetak	Surface	Weapons Related	18 Kt
Calabash	10/29/69	NTS	Shaft	Weapons Related	110 Kt
Calamity	10/27/62	Johnston Island area	Airdrop	Weapons Related	800 kt
Cambric	05/14/65	NTS	Shaft	Weapons Related	750 tons
Camembert	06/26/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Camphor	06/29/71	NTS	Tunnel	Weapons Effects	Less than 20 kt
Campos	02/13/78	NTS	Shaft	Weapons Related	Less than 20 kt
Can-Green	04/21/70	NTS	Shaft	Weapons Related	Less than 20 kt
Can-Red	04/21/70	NTS	Shaft	Weapons Related	20 to 200 kt
Canfield	05/02/80	NTS	Shaft	Weapons Related	Less than 20 kt
Canjilon	12/16/70	NTS	Shaft	Weapons Related	Less than 20 kt
Canna-Limoges	11/17/72	NTS	Shaft	Safety Experiment	Less than 20 kt
Canna-Umbrinus	11/17/72	NTS	Shaft	Weapons Related	Less than 20 kt
Cannikin	11/06/71	Amchitka, Alaska	Shaft	Weapons Related	Less than 5 Mt
Canvasback	08/22/64	NTS	Shaft	Weapons Related	Less than 20 kt
Capitan	06/28/72	NTS	Shaft	Weapons Related	Less than 20 kt
Caprock	05/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
Carmel	02/21/63	NTS	Shaft	Weapons Related	Low
Carnelian	07/28/77	NTS	Shaft	Weapons Related	Less than 20 kt
Carp	09/27/63	NTS	Shaft	Weapons Related	Low

etonation Name Date (GCT) Location Shall state		United Sta	tates Nuclear Detonations	conations	By Name	
rag 12/17/70 NTS roc 12/03/70 NTS ran 02/04/65 NTS rany 12/16/64 NTS rany 10/08/71 NTS rany 10/08/71 NTS rany 10/24/58 NTS rany 10/26/58 NTS ran 08/09/72 NTS ran 08/09/72 NTS ran 08/14/85 NTS ran 08/14/71 NTS ran 08/14/85 NTS ran 08/14/14 NTS ran		Date (GCT)	Location	Туре	Purpose	Yield Range
200 12/03/70 NTS nan 02/04/65 NTS nan 02/08/63 NTS nan 02/08/63 NTS nan 12/16/64 NTS no/08/71 NTS NTS no/08/72 NTS NTS no/08/72 NTS NTS no/08/72/68 NTS NTS no/02/68 NTS NTS no/02/68 NTS NTS no/02/68 NTS NTS no/02/68 NTS NTS no/02/04/89 NTS NTS	arpetbag	12/17/70	NTS	Shaft	Weapons Related	220 kt
sie 02/04/65 NTS nan 02/08/63 NTS rary 12/16/64 NTS no/24/58 NTS NTS no/24/58 NTS NTS no/24/58 NTS NTS no/24/58 NTS NTS no/27/02/58 Bikini NTS no/27/02/58 Bikini NTS no/27/02/58 NTS NTS no/27/02/58 NTS NTS no/27/02/58 NTS NTS no/27/02/58 NTS NTS no/27/02/59 NTS NTS no/27/06/66 NTS NTS <td>arrizozo</td> <td>12/03/70</td> <td>NTS</td> <td>Shaft</td> <td>Weapons Related</td> <td>Less than 20 kt</td>	arrizozo	12/03/70	NTS	Shaft	Weapons Related	Less than 20 kt
nan 02/08/63 NTS rary 12/16/64 NTS rary 10/08/71 NTS r 08/09/72 NTS r 08/09/72 NTS r 08/14/85 NTS r 08/14/85 NTS r 08/27/65 NTS r 10/26/58 NTS r 09/24/81 NTS r 09/24/81 NTS r 09/24/81 NTS r 09/28/2 NTS r 09/28/7 NTS r 09/28/7 NTS r 09/28/7 NTS r 09/28/7 NTS r 09/28/5 NTS r 09/28/5 NTS r 09/28/6 NTS r 09/28/5 NTS r 09/28/6 NTS r 09/28/6 NTS r 09/28/6 NTS	ashmere	02/04/65	NTS	Shaft	Weapons Related	Less than 20 kt
rany 12/16/64 NTS 10/08/71 NTS 08/09/72 NTS 08/09/72 NTS r 08/14/85 NTS r 08/27/65 NTS r 08/27/65 NTS a 09/24/81 NTS a 09/24/81 NTS a 09/02/82 NTS a 09/02/82 NTS a 09/17/85 NTS a 09/18/85 NTS a 09/28/57 NTS b 09/28/66 NTS c 09/29/66 NTS c 09/29/66 NTS c 09/29/66	asselman	02/08/63	NTS	Shaft	Weapons Related	Low
10/08/71 NTS 10/24/58 NTS 08/09/72 NTS 0 08/14/85 NTS r 08/27/65 NTS a 09/24/81 NTS a 09/24/81 NTS a 09/24/81 NTS a 09/24/81 NTS a 09/02/82 NTS allor 09/17/85 NTS allor 09/28/57 NTS allor 09/28/57 NTS allor 09/28/52 NTS allor 09/28/66 NTS allor 09/28/66 NTS allor 06/28/68 NTS <	assowary	12/16/64	NTS	Shaft	Weapons Related	Less than 20 kt
10/24/58 NTS 08/09/72 NTS 08/14/85 NTS 08/14/85 NTS 08/14/85 NTS 10/26/58 Bikini 10/26/58 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/67 NTS 10 09/02/82 10 NTS 10 09/01/83 11 NTS 11 NTS 11 09/12/85 11 NTS 12 NTS 13 09/12/85 14 NTS 15 NTS 16 09/12/86 10 NTS 10 NTS 10 NTS 10 NTS 10 NTS 10 NTS	athay	10/08/71	NTS	Shaft	Weapons Related	Less than 20 kt
08/09/72 NTS 08/14/85 NTS 07/02/58 Bikini 10/26/58 NTS 11/18/66 NTS 11/18/67 NTS 11/18/68 NTS 11/18/69 NTS 11/18/69 NTS 11/18/69 NTS 11/18/69 NTS 10 09/18/65 10 NTS 10 09/28/57 10 NTS 10 09/28/57 10 NTS 10 09/28/57 10 NTS 10 09/28/57 10 NTS 10 09/28/68 10 NTS 10 09/18/69 10 NTS 10 09/	atron	10/24/58	NTS	Tower	Safety Experiment	21 tons
08/14/85 NTS 07/02/58 Bikini 08/27/65 NTS 10/26/58 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/62 Johnston Island area 10 08/17/85 NTS 1 09/29/71 NTS 1 09/10/65 NTS 1 09/28/77 NTS 1 09/28/77 NTS 1 09/10/65 NTS 1 09/28/57 NTS 1 09/28/57 NTS 1 09/28/57 NTS 1 09/28/57 NTS 1 06/28/66 NTS 1 06/28/68 NTS 1 06/28/68 NTS 1 06/28/68 NTS 1 06/28/68 NTS 1 06/20/62 Johnston Island area </td <td>ebolla</td> <td>08/09/72</td> <td>NTS</td> <td>Shaft</td> <td>Weapons Related</td> <td>Less than 20 kt</td>	ebolla	08/09/72	NTS	Shaft	Weapons Related	Less than 20 kt
or/20/56 Bikini 08/27/65 NTS 10/26/58 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 11/18/62 Johnston Island area 11/18/62 Johnston Island area 11/18/62 Johnston Island area 11 09/10/65 NTS 11 09/10/65 NTS 12 09/29/71 NTS 13 09/29/57 NTS 14 09/29/57 NTS 15 09/29/57 NTS 16 09/29/57 NTS 18 06/28/57 NTS 18 06/28/68 NTS 18 06/28/68 NTS 10/27/58 NTS 10/27/62 Johnston Island area 10 06/17/83 NTS	ebrero	08/14/85	NTS	Shaft	Weapons Related	Less than 20 kt
08/27/65 NTS 10/26/58 NTS 11/18/66 NTS 11/18/66 NTS 11/18/66 NTS 12/14/71 NTS 10/18/62 Johnston Island area 10/18/62 Johnston Island area 10/18/62 Johnston Island area 10 09/18/65 NTS 10 09/29/71 NTS 10 09/29/71 NTS 10 09/28/57 NTS 10 09/28/57 NTS 10 04/22/52 NTS 10 06/28/68 NTS 10/27/58 NTS 10/27/58 NTS 10/20/62 Johnston Island area 10 02/17/83 NTS	edar	07/02/58	Bikini	Barge	Weapons Related	220 kt
a 09/24/81 NTS atcits 11/18/66 NTS actits 09/02/82 NTS actits 12/14/71 NTS at 08/17/85 NTS at 08/17/85 NTS at 08/17/85 NTS at 09/29/71 NTS at 09/29/71 NTS at 09/29/71 NTS at 09/28/57 NTS at 10/30/51 NTS at 10/20/66 NTS at 10/20/62 Johnston Island area at 10/20/62 Johnston Island area at 10/20/62 Johnston Island area	entaur	08/27/65	NTS	Shaft	Weapons Related	Less than 20 kt
a 09/24/81 NTS a 09/24/81 NTS ctis 12/14/71 NTS a 10/18/62 Johnston Island area a 08/17/85 NTS allor 09/01/83 NTS allor 09/29/71 NTS all 09/10/65 NTS at 09/10/65 NTS at 09/28/57 NTS at 09/22/52 NTS at 09/28/57 NTS at 09/28/57 NTS at 09/28/57 NTS at 09/22/52 NTS at 09/28/57 NTS at 00/22/52 NTS at 00/22/58 NTS	eres	10/26/58	SIN	Tower	Safety Experiment	0.7 tons
a 09/24/81 NTS log/02/82 NTS log/02/82 NTS a 10/18/62 Johnston Island area a 08/17/85 NTS y 09/01/83 NTS y 09/10/65 NTS allor 09/10/65 NTS y 09/28/57 NTS al 09/28/57 NTS al 09/28/57 NTS use 05/06/66 NTS c 05/06/66 NTS c 10/27/58 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	erise	11/18/66	SIN	Shaft	Weapons Related	Less than 20 kt
actis 09/02/82 NTS a 12/14/71 NTS a 08/17/85 NTS allor 09/01/83 NTS y 09/29/71 NTS ston 09/29/71 NTS ston 09/28/57 NTS use 04/22/52 NTS use 05/06/66 NTS ugay 06/28/68 NTS t 10/27/58 NTS t 10/27/58 NTS am 02/17/83 NTS	ernada	09/24/81	NTS	Shaft	Weapons Related	Less than 20 kt
actits 12/14/71 NTS at 10/18/62 Johnston Island area a 08/17/85 NTS allor 09/01/83 NTS al 09/10/65 NTS al 09/10/65 NTS at 09/28/57 NTS at 09/28/57 NTS at 09/28/57 NTS at 10/30/51 NTS at 10/30/51 NTS at 10/27/58 NTS at 10/27/58 NTS at 10/27/58 NTS at 10/27/58 NTS at 10/20/62 Johnston Island area am 02/17/83 NTS	erro	09/02/82	NTS	Shaft	Weapons Related	Less than 20 kt
a 10/18/62 Johnston Island area a 08/17/85 NTS y 09/29/71 NTS ston 09/29/71 NTS ston 09/28/57 NTS ston 09/28/57 NTS use 04/22/52 NTS ugay 06/28/68 NTS t 10/27/58 NTS nate 10/27/58 Johnston Island area am 02/17/83 NTS	haenactis	12/14/71	SIN	Shaft	Weapons Related	20 to 200 kt
a 08/17/85 NTS billor 09/01/83 NTS y 09/29/71 NTS al 09/10/65 NTS ston 09/28/57 NTS use 04/22/52 NTS ugay 06/28/68 NTS ugay 06/28/68 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	hama	10/18/62	Johnston Island area	Airdrop	Weapons Related	1.59 Mt
y 09/01/83 NTS y 09/29/71 NTS al 09/10/65 NTS ston 09/28/57 NTS use 04/22/52 NTS ugay 05/06/66 NTS ugay 06/28/68 NTS t 10/27/58 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	hamita	08/17/85	NTS	Shaft	Weapons Related	Less than 20 kt
y 09/29/71 NTS al 09/10/65 NTS ston 09/28/57 NTS use 04/22/52 NTS ugay 06/28/68 NTS ugay 06/28/68 NTS r 10/27/58 NTS am 02/17/83 NTS	hancellor	09/01/83	NTS	Shaft	Weapons Related	143 kt
al 09/10/65 NTS ston 09/28/57 NTS use 04/22/52 NTS ugay 05/06/66 NTS ugay 06/28/68 NTS t 10/27/58 NTS mate 10/20/62 Johnston Island area am 02/17/83 NTS	hantilly	09/29/71	NTS	Shaft	Weapons Related	Less than 20 kt
ston 09/28/57 NTS use 04/22/52 NTS ugay 06/28/68 NTS t 03/18/69 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	harcoal	09/10/65	NTS	Shaft	Joint US-UK	20 to 200 kt
use 04/22/52 NTS ugay 05/06/66 NTS ugay 06/28/68 NTS t 03/18/69 NTS t 10/27/58 NTS am 02/17/83 NTS	harleston	09/28/57	NTS	Balloon	Weapons Related	12 kt
use 04/22/52 NTS ugay 06/28/68 NTS t 03/18/69 NTS r 10/27/58 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	harlie	10/30/51	NTS	Airdrop	Weapons Related	14 kt
use 05/06/66 NTS ugay 06/28/68 NTS c 03/18/69 NTS c 10/27/58 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	harlie	04/22/52	NTS	Airdrop	Weapons Related	31 kt
ugay 06/28/68 NTS 2 10/27/58 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	hartreuse	99/90/20	NTS	Shaft	Weapons Related	73 kt
2. 10/27/58 NTS nate 10/20/62 Johnston Island area am 02/17/83 NTS	hateaugay	06/28/68	NTS	Shaft	Weapons Related	20 to 200 kt
nate 10/27/58 NTS nate 10/20/62 Johnston Island area 02/17/83 NTS	hatty	03/18/69	NTS	Shaft	Weapons Related	Less than 20 kt
nate 10/20/62 Johnston Island area am 02/17/83 NTS	havez	10/27/58	NTS	Tower	Safety Experiment	0.6 tons
am 02/17/83 NTS	heckmate	10/20/62	Johnston Island area	Rocket	Weapons Effects	Low
	heedam	02/17/83	NTS	Shaft	Weapons Related	Less than 20 kt
10/10/61 NTS	Chena	10/10/61	NTS	Tunnel	Weapons Related	Low

	United Stat	tates Nuclear Detonations	tonations	By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Chenille	04/22/65	NTS	Shaft	Weapons Related	Less than 20 kt
Cherokee	05/20/56	Bikini	Airdrop	Weapons Related	3.8 Mt
Cheshire	02/14/76	SIN	Shaft	Weapons Related	200 to 500 kt
Chess	06/20/79	NTS	Shaft	Weapons Related	Less than 20 kt
Chetco	05/19/62	Christmas Island area	Airdrop	Weapons Related	73 kt
Chevre	11/23/76	NTS	Shaft	Weapons Related	Less than 20 kt
Chiberta	12/20/75	NTS	Shaft	Weapons Related	20 to 200 kt
Chinchilla	02/19/62	NTS	Shaft	Weapons Related	1.9 kt
Chinchilla II	03/31/62	NTS	Shaft	Weapons Related	Low
Chipmunk	02/15/63	NTS	Shaft	Safety Experiment	Low
Chocolate	04/21/67	SIN	Shaft	Weapons Related	Less than 20 kt
Cimarron	02/23/62	SIN	Shaft	Weapons Related	11.9 kt
Cinnamon	3/07/66	NTS	Shaft	Safety Experiment	Less than 20 kt
Clairette	02/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
Clarksmobile	05/17/68	NTS	Shaft	Weapons Related	20 to 200 kt
Clean Slate I	05/25/63	NAFR	Surface	Storage-Transportation	Zero
Clean Slate II	05/31/63	NAFR	Surface	Storage-Transportation	Zero
Clean Slate III	69/60/90	NAFR	Surface	Storage-Transportation	Zero
Clearwater	10/16/63	NTS	Shaft	Weapons Related	Intermediate
Climax	06/04/53	NTS	Airdrop	Weapons Related	61 kt
Club	01/30/64	NTS	Shaft	Weapons Related	Less than 20 kt
Clymer	03/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
Coalora	02/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
Cobbler	11/08/67	NTS	Shaft	Weapons Related	Less than 20 kt
Codsaw	02/19/62	NTS	Shaft	Weapons Related	Low
Coffer	03/21/69	NTS	Shaft	Weapons Related	Less than 100 kt
Cognac	10/25/67	NTS	Shaft	Weapons Related	Less than 20 kt
Colby	03/14/76	NTS	Shaft	Weapons Related	500 to 1000 kt
Colfax	10/05/58	NTS	Shaft	Safety Experiment	5.5 tons
Colmor	04/26/73	NTS	Shaft	Weapons Related	Less than 20 kt
Colwick	04/26/80	NTS	Shaft	Joint US-UK	20 to 150 kt

	United S	States Nuclear Detonations	tonations	By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Commodore	05/20/67	NTS	Shaft	Weapons Related	250 kt
Comstock	06/02/88	NTS	Shaft	Weapons Related	Less than 150 kt
Concentration	12/01/78	NTS	Shaft	Weapons Related	Less than 20 kt
Contact	06/22/89	NTS	Shaft	Weapons Related	20 to 150 kt
Corazon	12/03/70	NTS	Shaft	Weapons Related	Less than 20 kt
Corduroy	12/03/65	NTS	Shaft	Weapons Related	20 to 200 kt
Cormorant	07/17/64	NTS	Shaft	Joint US-UK	Less than 20 kt
Cornice-Green	05/15/70	NTS	Shaft	Weapons Related	20 to 200 kt
Cornice-Yellow	05/15/70	NTS	Shaft	Weapons Related	20 to 200 kt
Cornucopia	07/24/86	NTS	Shaft	Weapons Related	Less than 20 kt
Correo	08/02/84	NTS	Shaft	Weapons Related	Less than 20 kt
Coso-Bronze	03/08/91	NTS	Shaft	Weapons Related	Less than 20 kt
Coso-Gray	03/08/91	NTS	Shaft	Weapons Related	Less than 20 kt
Coso-Silver	03/08/91	NTS	Shaft	Safety Experiment	Less than 20 kt
Cottage	03/23/85	NTS	Shaft	Weapons Related	20 to 150 kt
Coulomb-A	07/01/57	NTS	Surface	Safety Experiment	Zero
Coulomb-B	25/90/60	NTS	Surface	Safety Experiment	300 tons
Conlomb-C	12/09/57	NTS	Surface	Safety Experiment	500 tons
Coulommiers	09/27/77	NTS	Shaft	Weapons Related	20 to 150 kt
Courser	09/25/64	NTS	Shaft	Joint US-UK	Zero
Cove	02/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
Cowles	02/03/72	NTS	Shaft	Weapons Related	Less than 20 kt
Coypu	04/10/63	NTS	Shaft	Safety Experiment	Low
Cremino	09/27/78	NTS	Shaft	Weapons Related	Less than 20 kt
Cremino-Caerphilly	09/27/78	NTS	Shaft	Weapons Related	Less than 20 kt
Crepe	12/05/64	NTS	Shaft	Weapons Related	20 to 200 kt
Crestlake-Briar	07/18/74	NTS	Shaft	Weapons Related	Less than 20 kt
Crestlake-Tansan	07/18/74	NTS	Shaft	Weapons Related	Less than 20 kt
Crew	11/04/68	NTS	Shaft	Weapons Related	20 to 200 kt
Crew-2nd	11/04/68	NTS	Shaft	Weapons Related	Less than 20 kt
Crew-3rd	11/04/68	NTS	Shaft	Weapons Related	Less than 20 kt

	United Stat	tates Nuclear Detonations	tonations	By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Crewline	05/25/77	NTS	Shaft	Weapons Related	20 to 150 kt
Crock	05/08/68	NTS	Shaft	Weapons Related	Less than 20 kt
Crowdie	05/05/83	SIN	Shaft	Weapons Related	Less than 20 kt
Cruet	10/29/69	NTS	Shaft	Weapons Related	11 kt
Cuchillo	08/09/72	SIN	Shaft	Weapons Related	Less than 20 kt
Culantro-A	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
Culantro-B	12/10/69	SIN	Shaft	Weapons Related	Less than 20 kt
Cumarin	02/25/70	SIN	Shaft	Weapons Related	20 to 200 kt
Cumberland	04/11/63	SIN	Shaft	Weapons Related	Low
Cup	03/26/65	SIN	Shaft	Weapons Related	20 to 200 kt
Cyathus	03/06/70	SIN	Shaft	Weapons Related	8.7 kt
Cybar	07/17/86	SIN	Shaft	Weapons Related	119 Kt
Cyclamen	05/05/66	NTS	Shaft	Weapons Related	12 kt
Cypress	02/12/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
Dalhart	10/13/88	SIN	Shaft	Weapons Related	Less than 150 kt
Daiquiri	09/23/66	NTS	Shaft	Weapons Related	Less than 20 kt
Dakota	06/25/56	Bikini	Barge	Weapons Related	1.1 Mt
Daman I	06/21/62	NTS	Shaft	Weapons Related	Low
Danablu	06/09/83	NTS	Shaft	Weapons Related	Less than 20 kt
Danny Boy	03/05/62	NTS	Crater	Weapons Effects	430 tons
Darwin	06/25/86	NTS	Shaft	Joint US-UK	20 to 150 kt
Dauphin	11/14/80	NTS	Shaft	Weapons Related	Less than 20 kt
De Baca	10/26/58	NTS	Balloon	Weapons Related	2.2 kt
Dead	04/21/62	NTS	Shaft	Weapons Related	Low
Deck	11/18/75	SIN	Shaft	Weapons Related	Less than 20 kt
Delamar	04/18/87	NTS	Shaft	Weapons Related	20 to 150 kt
Delphinium	09/26/72	NTS	Shaft	Weapons Related	15 kt
Derringer	09/12/66	NTS	Shaft	Weapons Effects	7.8 kt
Des Moines	06/13/62	NTS	Tunnel	Weapons Related	2.9 kt
Dexter	06/23/71	NTS	Shaft	Safety Experiment	Less than 20 kt
Diablo	07/15/57	NTS	Tower	Weapons Related	17 Kt

	United S	United States Nuclear Detonations	etonations	By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Diablo Hawk	09/13/78	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diagonal Line	1/24/71	NTS	Shaft	Weapons Effects	Less than 20 kt
Diamond Ace	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diamond Beech	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diamond Dust	05/12/70	NTS	Tunnel	Vela Uniform	Less than 20 kt
Diamond Fortune	04/30/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diamond Mine	07/01/71	NTS	Tunnel	Vela Uniform	Less than 20 kt
Diamond Sculls	07/20/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diana Mist	02/11/70	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diana Moon	08/27/68	NTS	Shaft	Weapons Effects	Less than 20 kt
Dianthus	02/17/72	NTS	Shaft	Weapons Related	Less than 20 kt
Dido Queen	06/05/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diesel Train	12/05/69	NTS	Tunnel	Weapons Effects	Less than 20 kt
Diluted Waters	06/16/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Dining Car	04/05/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
Discus Thrower	05/27/66	NTS	Shaft	Weapons Effects	22 kt
Disko Elm	09/14/89	NTS	Tunnel	Weapons Effects	Less than 20 kt
Distant Zenith	09/19/91	NTS	Tunnel	Weapons Effects	Less than 20 kt
Divider	09/23/92	NTS	Shaft	Weapons Related	Less than 20 kt
Dixie	04/06/53	NTS	Airdrop	Weapons Related	11 kt
Dofino	03/08/77	NTS	Shaft	Weapons Related	Less than 20 kt
Dofino-Lawton	03/08/77	NTS	Shaft	Weapons Related	Less than 20 kt
Dog	04/07/51	Enewetak	Tower	Weapons Related	81 kt
Dog	11/01/51	NTS	Airdrop	Weapons Related	21 kt
Dog	05/01/52	NTS	Airdrop	Weapons Related	19 kt
Dogwood	07/05/58	Enewetak	Barge	Weapons Related	397 kt
Dolcetto	08/30/84	NTS	Shaft	Weapons Related	Less than 20 kt
Dona Ana	10/16/58	NTS	Balloon	Weapons Related	37 tons
Door Mist	08/31/67	NTS	Tunnel	Weapons Effects	Less than 20 kt
Doppler	08/23/57	NTS	Balloon	Weapons Related	11 kt
Dormouse	01/30/62	NTS	Shaft	Weapons Related	Low
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Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Dormouse Prime	04/05/62	NTS	Shaft	Weapons Related	10.6 kt
Dorsal Fin	02/29/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Double Play	06/15/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
Double Tracks	05/15/63	NAFR	Surface	Storage-Transportation	Zero
Dovekie	01/21/66	NTS	Shaft	Weapons Related	Less than 20 kt
Draughts	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt
Drill (Source-Lower)	12/05/64	NTS	Shaft	Weapons Related	3.4 kt
Drill (Target-Upper)	12/05/64	NTS	Shaft	Weapons Related	Less than 20 kt
Driver	05/07/64	NTS	Shaft	Weapons Related	Less than 20 kt
Dub	06/30/64	NTS	Shaft	Plowshare	Less than 20 kt
Duffer	06/18/64	NTS	Shaft	Weapons Related	Less than 20 kt
Dulce	06/17/62	Christmas Island area	Airdrop	Weapons Related	52 kt
Dumont	05/19/66	NTS	Shaft	Weapons Related	20 to 200 kt
Duoro	06/20/84	NTS	Shaft	Weapons Related	20 to 150 kt
Duryea	04/14/66	NTS	Shaft	Weapons Related	70 kt
Dutchess	10/24/80	NTS	Shaft	Joint US-UK	Less than 20 kt
Eagle	12/12/63	NTS	Shaft	Weapons Related	5.3 kt
Easy	02/01/51	NTS	Airdrop	Weapons Related	1 Kt
Easy	04/20/51	Enewetak	Tower	Weapons Related	47 Kt
Easy	11/05/51	NTS	Airdrop	Weapons Related	31 kt
Easy	05/07/52	NTS	Tower	Weapons Related	12 kt
Ebbtide	09/15/77	NTS	Shaft	Weapons Related	Less than 20 kt
Edam	04/24/75	NTS	Shaft	Weapons Related	20 to 200 kt
Eddy	09/19/58	NTS	Balloon	Weapons Related	83 tons
Eel	05/19/62	NTS	Shaft	Weapons Related	4.5 kt
Effendi	04/27/67	NTS	Shaft	Weapons Related	Less than 20 kt
Egmont	12/09/84	NTS	Shaft	Joint US-UK	20 to 150 kt
Elder	06/27/58	Enewetak	Barge	Weapons Related	880 kt
Elida	12/19/73	NTS	Shaft	Weapons Related	Less than 20 kt
Elkhart	09/17/65	NTS	Shaft	Weapons Related	Less than 20 kt
Embudo	06/16/71	NTS	Shaft	Weapons Related	Less than 20 kt

Detonation Name Date (GCT Emerson 12/16/65 Emmenthal 11/02/78 Encino 05/12/62 Erie 05/08/53 Erie 05/30/56 Excabosa 07/10/74 Esrom 02/04/76 Ess 03/23/55	(GCT)	the same of the sa			
tha!		Location	Туре	Purpose	Yield Range
thal		NTS	Shaft	Weapons Related	Less than 20 kt
Sa		NTS	Shaft	Weapons Related	Less than 20 kt
Sa	2/62	Christmas Island area	Airdrop	Weapons Related	500 kt
Sa		NTS	Airdrop	Weapons Effects	27 kt
Sa	30/56	Enewetak	Tower	Weapons Related	14.9 kt
Sa	79/90	NTS	Shaft	Safety Experiment	Low
	10/74	NTS	Shaft	Weapons Related	20 to 200 kt
)4/76	NTS	Shaft	Weapons Related	20 to 200 kt
	03/23/55	NTS	Crater	Weapons Effects	1 kt
Estaca 10/17/74	17/74	NTS	Shaft	Weapons Related	Less than 20 kt
Estuary 03/09/76	9//60	NTS	Shaft	Weapons Related	200 to 500 kt
Evans 10/29/58	85/67	NTS	Tunnel	Weapons Related	55 tons
Fade 06/25	06/25/64	NTS	Shaft	Weapons Related	Less than 20 kt
Fahada 05/26/83		NTS	Shaft	Weapons Related	Less than 20 kt
Fajy 06/28/79		NTS	Shaft	Weapons Related	20 to 150 kt
Fallon 05/23/74		NTS	Shaft	Joint US-UK	20 to 200 kt
Farallones 12/14/77		NTS	Shaft	Weapons Related	20 to 150 kt
	12/16/78	NTS	Shaft	Weapons Related	20 to 150 kt
ess	01/19/68	Central Nevada	Shaft	Weapons Related	200 to 1000 kt
Fawn 04/07/67	29/20	NTS	Shaft	Weapons Related	Less than 20 kt
Feather 12/22/61	22/61	NTS	Tunnel	Weapons Related	150 tons
Fenton 04/23	04/23/66	NTS	Shaft	Weapons Related	1.4 kt
	02/08/63	NTS	Shaft	Weapons Related	Low
Ferret Prime 04/05	04/05/63	NTS	Shaft	Weapons Related	Low
Fig 08/18	08/18/58	Enewetak	Surface	Weapons Related	20 tons
File 10/31	10/31/68	NTS	Shaft	Weapons Related	Less than 20 kt
Finfoot 03/07	99/20/60	NTS	Shaft	Weapons Related	Less than 20 kt
Fir 05/11	05/11/58	Bikini	Barge	Weapons Related	1.36 Mt
Fisher 12/03	12/03/61	NTS	Shaft	Weapons Related	13.4 kt
Fizeau 09/14	09/14/57	NTS	Tower	Weapons Related	11 kt
Fizz 03/10	03/10/67	NTS	Shaft	Safety Experiment	Less than 20 kt

Detonation Name			The state of the s		
	Date (GCT)	Location	Туре	Purpose	Yield Range
Flask-Green	05/26/70	NTS	Shaft	Plowshare	105 kt
Flask-Red	05/26/70	NTS	Shaft	Plowshare	Less than 20 kt
Flask-Yellow	05/26/70	NTS	Shaft	Plowshare	Less than 20 kt
Flathead	06/11/56	Bikini	Barge	Weapons Related	365 kt
Flax-Backup	12/21/72	NTS	Shaft	Weapons Effects	Less than 20 kt
Flax-Source	12/21/72	NTS	Shaft	Weapons Related	Less than 20 kt
Flax-Test	12/21/72	NTS	Shaft	Weapons Effects	20 to 200 kt
Flora	05/22/80	SIN	Shaft	Weapons Related	Less than 20 kt
Flotost	08/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
Floydada	08/15/91	NTS	Shaft	Weapons Related	Less than 20 kt
Fob-Blue	01/23/70	SIN	Shaft	Weapons Related	Less than 20 kt
Fob-Green	01/23/70	NTS	Shaft	Weapons Related	Less than 20 kt
Fob-Red	01/23/70	NTS	Shaft	Weapons Related	Less than 20 kt
Fondutta	04/11/78	NTS	Shaft	Joint US-UK	20 to 150 kt
Fontina	02/12/76	NTS	Shaft	Weapons Related	200 to 1000 kt
Fore	01/16/64	NTS	Shaft	Weapons Related	20 to 200 kt
Forefoot	06/02/77	NTS	Shaft	Weapons Related	Less than 20 kt
Forest	10/31/64	NTS	Shaft	Weapons Related	Less than 20 kt
Fox	02/06/51	NTS	Airdrop	Weapons Related	22 kt
Fox	05/25/52	NTS	Tower	Weapons Related	11 Kt
Franklin	06/02/57	NTS	Tower	Weapons Related	140 tons
Franklin Prime	08/30/57	NTS	Balloon	Weapons Related	4.7 kt
Freezeout	05/11/79	NTS	Shaft	Weapons Related	Less than 20 kt
Frigate Bird	05/06/62	Pacific	Rocket	Weapons Related	
Frijoles-Deming	09/22/71	NTS	Shaft	Safety Experiment	Less than 20 kt
Frijoles-Espuela	09/22/71	NTS	Shaft	Safety Experiment	Less than 20 kt
Frijoles-Guaje	09/22/71	NTS	Shaft	Weapons Related	Less than 20 kt
Frijoles-Petaca	09/22/71	NTS	Shaft	Weapons Related	Less than 20 kt
Frisco	09/23/82	NTS	Shaft	Weapons Related	20 to 150 kt
Funnel	06/25/68	NTS	Shaft	Weapons Related	Less than 20 kt
Futtock	06/18/75	NTS	Shaft	Safety Experiment	Less than 20 kt

	United Stat	tates Nuclear Detonations	tonations	- By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Galena-Green	06/23/92	NTS	Shaft	Safety Experiment	Less than 20 kt
Galena-Orange	06/23/92	NTS	Shaft	Safety Experiment	Less than 20 kt
Galena-Yellow	06/23/92	NTS	Shaft	Weapons Related	Less than 20 kt
Galileo	09/02/57	NTS	Tower	Weapons Related	11 kt
Galveston	09/04/86	NTS	Shaft	Weapons Related	Less than 20 kt
Ganymede	10/30/58	NTS	Surface	Safety Experiment	Zero
Garden	10/23/64	NTS	Shaft	Weapons Related	Less than 20 kt
Gasbuggy	12/10/67	Farmington, New Mexico	Shaft	Plowshare	29 kt
Gascon	11/14/86	NTS	Shaft	Weapons Related	20 to 150 kt
Gazook	03/23/73	NTS	Shaft	Weapons Related	Less than 20 kt
George	05/08/51	Enewetak	Tower	Weapons Related	225 kt
George	06/01/52	NTS	Tower	Weapons Related	15 kt
Gerbil	03/29/63	NTS	Shaft	Weapons Related	Low
Gibne	04/25/82	NTS	Shaft	Joint US-UK	20 to 150 kt
Gibson	08/04/67	NTS	Shaft	Weapons Related	Less than 20 kt
Gilroy	09/15/67	NTS	Shaft	Weapons Related	Less than 20 kt
Glencoe	03/22/86	NTS	Shaft	Weapons Related	29 kt
Gnome	12/10/61	Carlsbad, New Mexico	Shaft	Plowshare	3 kt
Goldstone	12/28/85	NTS	Shaft	Weapons Related	20 to 150 kt
Gorbea	01/31/84	NTS	Shaft	Weapons Related	20 to 150 kt
Gouda	10/06/76	NTS	Shaft	Weapons Related	Less than 20 kt
Gourd-Amber	04/24/69	NTS	Shaft	Weapons Related	Less than 20 kt
Gourd-Brown	04/24/69	NTS	Shaft	Weapons Related	Less than 20 kt
Grable	05/25/53	NTS	Airburst	Weapons Related	15 kt
Grape A	12/17/69	NTS	Shaft	Weapons Related	20 to 200 kt
Grape B	02/04/70	NTS	Shaft	Weapons Related	20 to 200 kt
Greeley	12/20/66	NTS	Shaft	Weapons Related	870 kt
Greys	11/22/63	NTS	Shaft	Weapons Related	Intermediate
Grove	05/22/74	NTS	Shaft	Weapons Related	Less than 20 kt
Grunion	10/11/63	NTS	Shaft	Weapons Related	Low
Gruyere	08/16/77	NTS	Shaft	Weapons Related	Less than 20 kt

	United Stat	tates Nuclear Detonations	etonations	· By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Gruyere-Gradino	08/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
Guanay	09/04/64	NTS	Shaft	Weapons Related	Less than 20 kt
Gum Drop	04/21/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
Gundi	11/15/62	NTS	Shaft	Weapons Related	Low
Gundi Prime	05/09/63	NTS	Shaft	Weapons Related	Low
HA (High Altitude)	04/06/55	NTS	Airdrop	Weapons Effects	3 Kt
Haddock	08/28/64	NTS	Shaft	Weapons Related	Less than 20 kt
Halfbeak	99/06/90	NTS	Shaft	Weapons Related	365 kt
Hamilton	10/15/58	NTS	Tower	Weapons Related	1.2 tons
Handcar	11/05/64	NTS	Shaft	Plowshare	12 kt
Handicap	03/12/64	NTS	Shaft	Weapons Related	Less than 20 kt
Handley	03/26/70	NTS	Shaft	Weapons Related	More than 1 Mt
Haplopappus	06/28/72	NTS	Shaft	Weapons Related	Less than 20 kt
Hard Hat	02/15/62	NTS	Shaft	Weapons Effects	5.7 kt
Hardin	04/30/87	NTS	Shaft	Weapons Related	20 to 150 kt
Harebell	06/24/71	NTS	Shaft	Weapons Related	20 to 200 kt
Harkee	05/17/63	NTS	Shaft	Weapons Related	Low
Harlem	06/12/62	Christmas Island area	Airdrop	Weapons Related	1.2 Mt
Harlingen-A	08/23/88	NTS	Shaft	Weapons Related	Less than 20 kt
Harlingen-B	08/23/88	NTS	Shaft	Weapons Related	Less than 20 kt
Harry	05/19/53	NTS	Tower	Weapons Related	32 kt
Harzer	06/06/81	NTS	Shaft	Weapons Related	20 to 150 kt
Hatchet	05/03/68	NTS	Shaft	Weapons Related	Less than 20 kt
Hatchie	02/08/63	NTS	Shaft	Weapons Related	Low
Havarti	08/05/81	NTS	Shaft	Weapons Related	Less than 20 kt
Haymaker	06/27/62	NTS	Shaft	Weapons Related	67 kt
Hazebrook-Apricot (Orange)	02/03/87	NTS	Shaft	Safety Experiment	Less than 20 kt
Hazebrook-Checkerberry (Red)	02/03/87	NTS	Shaft	Weapons Related	Less than 20 kt
Hazebrook-Emerald (Green)	02/03/87	NTS	Shaft	Weapons Related	Less than 20 kt
Hearts	62/90/60	NTS	Shaft	Weapons Related	140 kt
Heilman	04/06/67	NTS	Shaft	Weapons Related	Less than 20 kt

	United S	States Nuclear Detonations	112111	By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Hermosa	04/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
Hickory	06/29/58	Bikini	Barge	Weapons Related	14 kt
Hidalgo	10/05/58	NTS	Balloon	Safety Experiment	77 tons
Hod-A (Green)	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
Hod-B (Red)	05/01/70	NTS	Shaft	Weapons Related	Less than 20 kt
Hod-C (Blue)	02/01/70	NTS	Shaft	Safety Experiment	Less than 20 kt
Hognose	03/15/62	SIN	Shaft	Weapons Related	Low
Holly	05/20/58	Enewetak	Barge	Weapons Related	5.9 kt
роон	07/05/57	NTS	Balloon	Weapons Related	74 kt
Hook	04/14/64	NTS	Shaft	Weapons Related	Less than 20 kt
Ноорое	12/16/64	NTS	Shaft	Safety Experiment	Less than 20 kt
Hoosic	03/28/62	NTS	Shaft	Weapons Related	3.4 kt
Horehound	69/22/80	NTS	Shaft	Weapons Related	Less than 20 kt
Hornet	03/12/55	NTS	Tower	Weapons Related	4 kt
Hornitos	10/31/89	NTS	Shaft	Weapons Related	20 to 150 kt
Hospah	12/14/71	NTS	Shaft	Weapons Related	Less than 20 kt
Hosta	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt
Housatonic	10/30/62	Johnston Island area	Airdrop	Weapons Related	8.3 Mt
Houston	11/14/90	NTS	Shaft	Joint US-UK	20 to 150 kt
Ном	06/05/52	NTS	Tower	Weapons Related	14 kt
Ноуа	09/14/91	NTS	Shaft	Weapons Related	20 to 150 Kt
Hudson	04/12/62	NTS	Shaft	Weapons Related	Low
Hudson Moon	05/26/70	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hudson Seal	09/24/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hula	10/29/68	NTS	Shaft	Weapons Related	Less than 20 kt
Hulsea	03/14/74	NTS	Shaft	Weapons Related	Less than 20 kt
Humboldt	10/29/58	NTS	Tower	Weapons Related	7.8 tons
Hunters Trophy	09/18/92	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hupmobile	01/18/68	NTS	Shaft	Weapons Effects	7.4 kt
Huron	07/21/56	Enewetak	Barge	Weapons Related	250 kt
Huron King	06/24/80	NTS	Shaft	Weapons Effects	Less than 20 kt

	United S	United States Nuclear Detonations	tonations -	- By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Huron Landing	09/23/82	NTS	Tunnel	Weapons Effects	Less than 20 kt
Husky Ace	10/12/73	NTS	Tunnel	Weapons Effects	Less than 20 kt
Husky Pup	10/24/75	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hutch	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
Hutia	69/90/90	NTS	Shaft	Weapons Related	Low
Hybla Fair	10/28/74	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hybla Gold	11/01/77	NTS	Tunnel	Weapons Effects	Less than 20 kt
Hyrax	09/14/62	NTS	Shaft	Weapons Related	Low
Iceberg	03/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
lldrim	07/16/69	NTS	Shaft	Weapons Related	20 to 200 kt
lmp	08/09/68	NTS	Shaft	Weapons Related	Less than 20 kt
Inca	06/21/56	Enewetak	Tower	Weapons Related	15.2 kt
Ingot	68/60/80	NTS	Shaft	Weapons Related	20 to 150 kt
Inlet	11/20/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Ipecac-A	05/27/69	NTS	Shaft	Safety Experiment	Less than 20 kt
lpecac-B	05/27/69	NTS	Shaft	Safety Experiment	Less than 20 kt
Islay	08/27/81	NTS	Shaft	Weapons Related	Less than 20 kt
Item	05/24/51	Enewetak	Tower	Weapons Related	45.5 kt
Izzer	07/16/65	NTS	Shaft	Weapons Related	Less than 20 kt
Jackpots	06/01/78	NTS	Shaft	Weapons Related	Less than 20 kt
Jal	03/19/70	NTS	Shaft	Weapons Related	Less than 20 kt
Jara	06/06/74	NTS	Shaft	Weapons Related	Less than 20 kt
Jarlsberg	08/27/83	NTS	Shaft	Weapons Related	Less than 20 kt
Jefferson	04/22/86	NTS	Shaft	Weapons Related	20 to 150 kt
Jerboa	03/01/63	NTS	Shaft	Weapons Related	Low
dib	05/08/74	NTS	Shaft	Weapons Related	Less than 20 kt
Jicarilla	04/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
John	07/19/57	NTS	Rocket	Weapons Effects	About 2 kt
Johnnie Boy	07/11/62	NTS	Crater	Weapons Effects	500 tons
Jornada	01/28/82	NTS	Shaft	Weapons Related	139 kt
Jorum	09/16/69	NTS	Shaft	Weapons Related	Less than 1 Mt

	United Sta	tates Nuclear Detonations	tonations	By Name		
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range	
Junction	03/26/92	NTS	Shaft	Weapons Related	20 to 150 kt	
Juniper	07/22/58	Bikini	Barge	Weapons Related	65 kt	
Juno	10/24/58	NTS	Surface	Safety Experiment	1.7 tons	
Kankakee	06/15/66	NTS	Shaft	Weapons Related	20 to 200 kt	
Kappeli	07/25/84	NTS	Shaft	Weapons Related	20 to 150 kt	
Kara	05/11/72	NTS	Shaft	Weapons Related	Less than 20 kt	
Karab	03/16/78	SIN	Shaft	Weapons Related	Less than 20 kt	
Kash	06/12/80	NTS	Shaft	Weapons Related	20 to 150 kt	
Kashan	05/24/73	NTS	Shaft	Weapons Related	Less than 20 kt	
Kasseri	10/28/75	NTS	Shaft	Weapons Related	200 to 1000 kt	
Kaweah	02/21/63	SIN	Shaft	Plowshare	Low	
Kawich A-Blue	12/09/88	NTS	Shaft	Safety Expeirment	Less than 20 kt	
Kawich A-White	12/09/88	NTS	Shaft	Safety Experiment	Less than 20 kt	
Kawich-Black	02/24/89	NTS	Shaft	Safety Experiment	Less than 20 kt	
Kawich-Red	02/24/89	NTS	Shaft	Weapons Related	Less than 20 kt	
Kearsarge	08/17/88	NTS	Shaft	Weapons Related	Less than 150 kt	
Keel	12/16/74	NTS	Shaft	Weapons Related	Less than 20 kt	
Keelson	02/04/76	NTS	Shaft	Weapons Related	20 to 200 kt	
Kennebec	06/25/63	NTS	Shaft	Weapons Related	Low	
Kepler	07/24/57	NTS	Tower	Weapons Related	10 kt	
Kermet	11/23/65	NTS	Shaft	Weapons Related	Less than 20 kt	
Kernville	02/15/88	NTS	Shaft	Weapons Related	20 to 150 kt	
Kesti	06/16/82	NTS	Shaft	Weapons Related	Less than 20 kt	
Kestrel	04/05/65	NTS	Shaft	Weapons Related	Less than 20 kt	
Khaki	10/15/66	NTS	Shaft	Weapons Related	Less than 20 kt	
Kickapoo	06/13/56	Enewetak	Tower	Weapons Related	1.49 kt	
King	11/15/52	Enewetak	Airdrop	Weapons Related	500 kt	
Kingfish	11/01/62	Johnston Island area	Rocket	Weapons Effects	Submegaton	
Kinibito	12/05/85	NTS	Shaft	Joint US-UK	20 to 150 kt	
Klickitat	02/20/64	NTS	Shaft	Plowshare	20 to 200 kt	
Kloster	02/15/79	NTS	Shaft	Weapons Related	20 to 150 kt	

	United Stat	tates Nuclear Detonations	tonations	. By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Knickerbocker	05/26/67	NTS	Shaft	Weapons Related	76 kt
Knife A	09/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Knife B	11/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
Knife C	10/03/68	NTS	Shaft	Weapons Related	Less than 20 kt
Knox	02/21/68	NTS	Shaft	Weapons Related	20 to 200 kt
Коа	05/12/58	Enewetak	Surface	Weapons Related	1.37 Mt
Kohocton	08/23/63	NTS	Shaft	Weapons Related	Low
Koon	04/06/54	Bikini	Surface	Weapons Related	110 kt
Kootanai	04/24/63	NTS	Shaft	Weapons Related	Low
Kryddost	05/06/82	NTS	Shaft	Weapons Related	Less than 20 kt
Kyack-A	09/20/69	NTS	Shaft	Weapons Related	Less than 20 kt
Kyack-B	09/20/69	NTS	Shaft	Weapons Related	Less than 20 kt
Laban	08/03/83	NTS	Shaft	Weapons Related	Less than 20 kt
Labis	02/02/10	NTS	Shaft	Weapons Related	25 kt
Labquark	09/30/86	NTS	Shaft	Weapons Related	20 to 150 kt
Lacrosse	05/04/56	Enewetak	Surface	Weapons Related	40 kt
Lagoon	10/14/71	NTS	Shaft	Weapons Related	Less than 20 kt
Laguna	06/23/71	NTS	Shaft	Weapons Related	20 to 200 kt
Lampblack	01/18/66	NTS	Shaft	Weapons Related	20 to 200 kt
Lanpher	10/18/67	NTS	Shaft	Weapons Related	20 to 200 kt
Laplace	09/08/57	NTS	Balloon	Weapons Related	1 Kt
Laredo	05/21/88	NTS	Shaft	Weapons Related	Less than 150 kt
Lassen	06/05/57	NTS	Balloon	Weapons Related	0.5 tons
Latir	02/27/74	NTS	Shaft	Weapons Related	20 to 200 kt
Lea	10/13/58	NTS	Balloon	Weapons Related	1.4 kt
Ledoux	09/27/90	NTS	Shaft	Weapons Related	Less than 20 kt
Lexington	08/24/67	NTS	Shaft	Weapons Related	Less than 20 kt
Leyden	11/26/75	NTS	Shaft	Weapons Related	Less than 20 kt
Lime	04/01/66	NTS	Shaft	Weapons Related	Less than 20 kt
Linden	06/18/58	Enewetak	Barge	Weapons Related	11 kt
Links	07/23/64	NTS	Shaft	Weapons Related	Less than 20 kt

Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Liptauer	04/03/80	NTS	Shaft	Weapons Related	20 to 150 kt
Little Feller I	07/17/62	NTS	Surface	Weapons Effects	Low
Little Feller II	07/07/62	NTS	Surface	Weapons Effects	νοη
Lockney	09/24/87	NTS	Shaft	Weapons Related	20 to 150 kt
Logan	10/16/58	NTS	Tunnel	Weapons Related	5 Kt
Long Shot	10/29/65	Amchitka, Alaska	Shaft	Vela Uniform	About 80 kt
Longchamps	04/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
Lovage	12/17/69	NTS	Shaft	Weapons Related	Less than 20 kt
Lowball	07/12/78	NTS	Shaft	Weapons Related	20 to 150 kt
Lubbock	10/18/91	NTS	Shaft	Weapons Related	20 to 150 kt
Luna	09/21/58	NTS	Shaft	Safety Experiment	1.5 tons
Mackerel	02/18/64	SIN	Shaft	Weapons Related	Less than 20 kt
Mad	12/13/61	NTS	Shaft	Weapons Related	500 tons
Madison	12/12/62	SIN	Tunnel	Weapons Related	Low
Magnolia	05/26/58	Enewetak	Barge	Weapons Related	57 kt
Mallet	01/31/68	SIN	Shaft	Weapons Related	Less than 20 kt
Manatee	12/14/62	SIN	Shaft	Weapons Related	Low
Manteca	12/10/82	NTS	Shaft	Weapons Related	20 to 150 kt
Manzanas	05/21/70	SIN	Shaft	Weapons Related	Less than 20 kt
Maple	06/10/58	Bikini	Barge	Weapons Related	213 kt
Maribo	06/26/85	NTS	Shaft	Weapons Related	Less than 20 kt
Mars	09/28/58	NTS	Tunnel	Safety Experiment	13 tons
Marsh	09/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
Marshmallow	06/28/62	NTS	Tunnel	Weapons Effects	Low
Marsilly	04/05/77	NTS	Shaft	Weapons Related	20 to 150 kt
Marvel	09/21/67	NTS	Shaft	Plowshare	2.2 kt
Mast	06/19/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Mataco	06/14/63	NTS	Shaft	Weapons Related	Low
Mauve	08/06/65	NTS	Shaft	Weapons Related	Less than 20 kt
Maxwell	01/13/66	NTS	Shaft	Weapons Related	Less than 20 kt
Mazama	10/29/58	NTS	Tower	Weapons Related	Zero

Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Memory	03/14/79	NTS	Shaft	Weapons Related	Less than 20 kt
Mercury	09/23/58	NTS	Tunnel	Safety Experiment	Slight
Merida	06/07/72	NTS	Shaft	Weapons Related	Less than 20 kt
Medin	02/16/65	NTS	Shaft	Weapons Related	10.1 kt
Merrimac	07/13/62	NTS	Shaft	Weapons Related	Intermediate
Mescalero	01/05/72	NTS	Shaft	Weapons Related	Less than 20 kt
Mesilla	05/09/62	Christmas Island area	Airdrop	Weapons Related	100 kt
Mesita	05/09/73	NTS	Shaft	Weapons Related	Less than 20 kt
Met	04/15/55	NTS	Tower	Weapons Effects	22 kt
Metropolis	03/10/90	NTS	Shaft	Weapons Related	20 to 150 kt
Mickey	05/10/67	NTS	Shaft	Weapons Related	20 to 200 kt
Midas Myth/Milagro	02/15/84	NTS	Tunnel	Weapons Effects	Less than 20 kt
Middle Note	03/18/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Midi Mist	06/26/67	NTS	Tunnel	Weapons Effects	Less than 20 kt
Midland	07/16/87	NTS	Shaft	Joint US-UK	20 to 150 kt
Miera	03/08/73	NTS	Shaft	Weapons Related	20 to 200 kt
Mighty Epic	05/12/76	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mighty Oak	04/10/86	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mike	10/31/52	Enewetak	Surface	Weapons Related	10.4 Mt
Milk Shake	03/25/68	NTS	Shaft	Weapons Effects	Less than 20 kt
Mill Yard	10/09/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Milrow	10/02/69	Amchitka, Alaska	Shaft	Weapons Related	About 1 Mt
Mineral Quarry	07/25/90	NTS	Tunnel	Weapons Effects	Less than 20 kt
Minero	12/20/84	NTS	Shaft	Weapons Related	Less than 20 kt
Miners Iron	10/31/80	NTS	Tunnel	Weapons Effects	Less than 20 kt
Ming Blade	06/19/74	NTS	Tunnel	Weapons Effects	Less than 20 kt
Ming Vase	11/20/68	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mini Jade	05/26/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
Miniata	07/08/71	NTS	Shaft	Plowshare	83 kt
Mink	10/29/61	NTS	Shaft	Weapons Related	Low
Minnow	05/15/64	NTS	Shaft	Weapons Related	Less than 20 kt

	United Sta	tates Nuclear Detonations	tonations	By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Mint Leaf	02/02/10	NTS	Tunnel	Weapons Effects	Less than 20 kt
Minute Steak	09/12/69	NTS	Shaft	Weapons Effects	Less than 20 kt
Mission Cyber	12/02/87	SIN	Tunnel	Weapons Effects	Less than 20 kt
Mission Ghost	06/20/87	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mississippi	10/05/62	NTS	Shaft	Weapons Related	115 kt
Misty Echo	12/10/88	NTS	Tunnel	Weapons Effects	Less than 150 kt
Misty North	05/02/72	NTS	Tunnel	Weapons Effects	Less than 20 kt
Misty Rain	04/06/85	NTS	Tunnel	Weapons Effects	Less than 20 kt
Mizzen	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
Моа	09/01/65	NTS	Shaft	Weapons Related	Less than 20 kt
Mogollon	04/20/86	NTS	Shaft	Weapons Related	Less than 20 kt
Mohawk	07/02/56	Enewetak	Tower	Weapons Related	360 kt
Molbo	02/12/82	NTS	Shaft	Weapons Related	20 to 150 kt
Monahans-A	11/09/88	NTS	Shaft	Weapons Related	Less than 20 kt
Monahans-B	11/09/88	NTS	Shaft	Weapons Related	Less than 20 kt
Monero	05/19/72	NTS	Shaft	Weapons Related	Less than 20 kt
Montello	04/16/91	NTS	Shaft	Weapons Related	20 to 150 kt
Monterey	07/29/82	NTS	Shaft	Weapons Related	20 to 150 kt
Mora	09/29/58	NTS	Balloon	Weapons Related	2 kt
Morgan	10/07/57	NTS	Balloon	Weapons Related	8 Kt
Morrones	05/21/70	NTS	Shaft	Weapons Related	20 to 200 kt
Moth	02/22/55	NTS	Tower	Weapons Related	2 kt
Mudpack	12/16/64	NTS	Shaft	Weapons Effects	2.7 kt
Muenster	01/03/76	NTS	Shaft	Weapons Related	200 to 1000 kt
Muggins	12/09/83	NTS	Shaft	Weapons Related	Less than 20 kt
Muleshoe	11/15/89	NTS	Shaft	Weapons Related	Less than 20 kt
Mullet	10/17/63	NTS	Shaft	Safety Experiment	Low
Mundo	05/01/84	NTS	Shaft	Joint US-UK	20 to 150 kt
Muscovy	04/23/65	NTS	Shaft	Weapons Related	Less than 20 kt
Mushroom	03/03/67	NTS	Shaft	Weapons Related	Less than 20 kt
Muskegon	05/11/62	Christmas Island area	Airdrop	Weapons Related	50 kt

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Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Mustang	11/15/63	NTS	Shaft	Weapons Related	Low
Nama-Amarylis	08/05/71	NTS	Shaft	Weapons Related	Less than 20 kt
Nama-Mephisto	08/05/71	NTS	Shaft	Weapons Related	Less than 20 kt
Nambe	05/27/62	Christmas Island area	Airdrop	Weapons Related	43 kt
Nancy	03/24/53	NTS	Tower	Weapons Related	24 kt
Narraguagus	09/27/63	NTS	Shaft	Weapons Related	Low
Nash	01/19/67	NTS	Shaft	Weapons Related	39 Kt
Natches	08/23/63	NTS	Shaft	Weapons Related	Low
Natoma	04/05/73	NTS	Shaft	Weapons Related	Less than 20 kt
Navajo	07/10/56	Bikini	Barge	Weapons Related	4.5 Mt
Navata	09/29/83	NTS	Shaft	Safety Experiment	Less than 20 kt
Nebbiolo	06/24/82	NTS	Shaft	Weapons Related	20 to 150 kt
Nectar	05/13/54	Enewetak	Barge	Weapons Related	1.69 Mt
Neptune	10/14/58	NTS	Tunnel	Safety Experiment	115 tons
Nessel	08/29/79	NTS	Shaft	Joint US-UK	20 to 150 kt
New Point	12/13/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Newark	09/53/66	NTS	Shaft	Weapons Related	Less than 20 kt
Newton	09/16/57	NTS	Balloon	Weapons Related	12 Kt
Nightingale	06/22/88	NTS	Shaft	Safety Experiment	Less than 150 kt
Nipper	02/04/69	NTS	Shaft	Weapons Related	Less than 20 kt
Niza	07/10/81	NTS	Shaft	Weapons Related	Less than 20 kt
Noggin	89/90/60	NTS	Shaft	Weapons Related	20 to 200 kt
Noor	04/10/68	NTS	Shaft	Weapons Related	20 to 200 kt
Norbo	03/08/80	NTS	Shaft	Weapons Related	Less than 20 kt
Normanna	07/12/84	NTS	Shaft	Weapons Related	Less than 20 kt
Numbat	12/12/62	NTS	Shaft	Weapons Related	Low
Nutmeg	05/21/58	Bikini	Barge	Weapons Related	25.1 kt
Oak	06/28/58	Enewetak	Barge	Weapons Related	8.9 Mt
Oakland	04/04/67	NTS	Shaft	Weapons Related	Less than 20 kt
Oarlock	02/16/77	NTS	Shaft	Weapons Related	Less than 20 kt
Obar	04/30/75	NTS	Shaft	Weapons Related	20 to 200 kt

Oberon Ocate Ochre	(上)つ/ですり		ı		
Oberon Ocate Ochre	Date (GC1)	Location	Туре	Purpose	Yield Range
Ocate Ochre	10/22/58	NTS	Tower	Safety Experiment	Zero
Ochre	03/30/72	NTS	Shaft	Weapons Related	Less than 20 kt
	04/29/66	NTS	Shaft	Safety Experiment	Less than 20 kt
Oconto	01/23/64	NTS	Shaft	Weapons Related	10.5 kt
Offshore	08/08/79	NTS	Shaft	Weapons Related	20 to 150 kt
Olive	07/22/58	Enewetak	Barge	Weapons Related	202 kt
Onaja	03/30/72	NTS	Shaft	Weapons Related	Less than 20 kt
Orange	08/12/58	Johnston Island area	Rocket	Weapons Effects	3.8 Mt
Organdy	06/11/65	NTS	Shaft	Weapons Related	Less than 20 kt
Orkney	05/02/84	NTS	Shaft	Weapons Related	Less than 20 kt
Osage	06/16/56	Enewetak	Airdrop	Weapons Related	1.7 kt
Oscuro	09/21/72	NTS	Shaft	Weapons Related	20 to 200 kt
Otero	09/12/58	NTS	Shaft	Safety Experiment	38 tons
Otowi	06/22/62	Christmas Island area	Airdrop	Weapons Related	81.5 kt
Owens	07/25/57	NTS	Balloon	Weapons Related	9.7 kt
Paca	05/07/62	NTS	Shaft	Weapons Related	Low
Packard	01/15/69	NTS	Shaft	Weapons Effects	10 kt
Packrat	06/06/62	NTS	Shaft	Weapons Related	Low
Paisano	04/24/63	NTS	Shaft	Weapons Related	Low
Pajara	12/12/73	NTS	Shaft	Weapons Related	Less than 20 kt
Palanquin	04/14/65	SIN	Crater	Plowshare	4.3 kt
Palisade-1	05/15/89	NTS	Shaft	Weapons Related	Less than 20 kt
Palisade-2	05/15/89	NTS	Shaft	Safety Experiment	Less than 20 kt
Palisade-3	05/15/89	NTS	Shaft	Safety Experiment	Less than 20 kt
Paliza	10/01/81	NTS	Shaft	Weapons Related	20 to 150 kt
Pamlico	07/11/62	Christmas Island area	Airdrop	Weapons Related	3.88 Mt
Pampas	03/01/62	NTS	Shaft	Joint US-UK	9.5 kt
Panamint	05/21/86	NTS	Shaft	Weapons Related	Less than 20 kt
Panchuela	06/30/87	NTS	Shaft	Weapons Related	Less than 20 kt
Panir	08/31/78	NTS	Shaft	Weapons Related	20 to 150 kt
Par	10/09/64	NTS	Shaft	Plowshare	38 Kt

Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Parnassia	11/30/71	NTS	Shaft	Weapons Related	Less than 20 kt
Parrot	12/16/64	NTS	Shaft	Weapons Related	1.3 Kt
Pascal-A	07/26/57	NTS	Shaft	Safety Experiment	Slight
Pascal-B	08/27/57	NTS	Shaft	Safety Experiment	Slight
Pascal-C	12/06/57	NTS	Shaft	Safety Experiment	Slight
Passaic	04/06/62	NTS	Shaft	Weapons Related	Low
Peba	09/20/62	NTS	Shaft	Weapons Related	Low
Pedernal	09/29/71	NTS	Shaft	Weapons Related	Less than 20 kt
Pekan	08/12/63	NTS	Shaft	Weapons Related	Low
Penasco	11/19/70	NTS	Shaft	Weapons Related	Less than 20 kt
Pepato	06/11/79	NTS	Shaft	Weapons Related	20 to 150 Kt
Pera	62/80/60	NTS	Shaft	Weapons Related	Less than 20 kt
Persimmon	02/23/67	NTS	Shaft	Weapons Related	Less than 20 kt
Petit	06/19/62	Christmas Island area	Airdrop	Weapons Related	2.2 kt
Petrel	06/11/65	NTS	Shaft	Weapons Related	1.3 kt
Piccalilli	11/21/69	NTS	Shaft	Weapons Related	20 to 200 kt
Pike	03/13/64	NTS	Shaft	Weapons Related	Less than 20 kt
Pile Driver	06/02/66	NTS	Tunnel	Weapons Effects	62 kt
Pin Stripe	04/25/66	NTS	Shaft	Weapons Effects	Less than 20 kt
Pine	07/26/58	Enewetak	Barge	Weapons Related	2 Mt
Pineau	07/16/81	NTS	Shaft	Weapons Related	Less than 20 kt
Pinedrops-Bayou	01/10/74	NTS	Shaft	Weapons Related	Less than 20 kt
Pinedrops-Sloat	01/10/74	NTS	Shaft	Weapons Related	Less than 20 kt
Pinedrops-Tawny	01/10/74	NTS	Shaft	Weapons Related	Less than 20 kt
Pipefish	04/29/64	NTS	Shaft	Weapons Related	Less than 20 kt
Pipkin	10/08/69	NTS	Shaft	Weapons Related	200 to 1000 kt
Piranha	05/13/66	NTS	Shaft	Weapons Related	20 to 200 kt
Pisonia	07/17/58	Enewetak	Barge	Weapons Related	255 kt
Piton-A	05/28/70	NTS	Shaft	Weapons Related	Less than 20 kt
Piton-B	05/28/70	NTS	Shaft	Weapons Related	Less than 20 kt
Piton-C	05/28/70	NTS	Shaft	Weapons Related	Less than 20 kt

Detonation Name Plaid II					
Plaid II	Date (GCT)	Location	Гуре	Purpose	Yield Range
	02/03/66	NTS	Shaft	Weapons Related	Less than 20 kt
Planer	11/21/69	NTS	Shaft	Weapons Related	Less than 20 kt
Platte	04/14/62	NTS	Tunnel	Weapons Related	1.85 kt
Platypus	02/24/62	NTS	Shaft	Weapons Related	Low
Player	08/27/64	NTS	Shaft	Safety Experiment	Less than 20 kt
Pleasant	05/29/63	NTS	Shaft	Weapons Related	Low
Pliers	08/27/69	NTS	Shaft	Weapons Related	Less than 20 kt
Plomo	05/01/74	NTS	Shaft	Weapons Related	Less than 20 kt
Pod-A	10/29/69	NTS	Shaft	Weapons Related	16.7 kt (total)
Pod-B	10/29/69	NTS	Shaft	Weapons Related	16.7 kt (total)
Pod-C	10/29/69	NTS	Shaft	Weapons Related	16.7 kt (total)
Pod-D	10/29/69	NTS	Shaft	Weapons Related	16.7 kt (total)
Polka	12/06/67	NTS	Shaft	Weapons Related	Less than 20 kt
Polygonum	10/02/73	NTS	Shaft	Weapons Related	Less than 20 kt
Pommard	03/14/68	NTS	Shaft	Weapons Related	1.5 kt
Pongee	07/22/65	NTS	Shaft	Weapons Related	Less than 20 kt
Ponil	09/27/85	NTS	Shaft	Weapons Related	Less than 20 kt
Pool	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
Poplar	07/12/58	Bikini	Barge	Weapons Related	9.3 Mt
Portmanteau	08/30/74	NTS	Shaft	Weapons Related	20 to 200 kt
Portola	02/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
Portola-Larkin	02/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
Portrero	04/23/74	NTS	Shaft	Weapons Related	Less than 20 kt
Portulaca	06/28/73	NTS	Shaft	Weapons Related	20 to 200 kt
Post	04/09/55	NTS	Tower	Weapons Related	2 kt
Potrillo	06/21/73	NTS	Shaft	Weapons Related	20 to 200 kt
Pratt	09/25/74	NTS	Shaft	Weapons Related	Less than 20 kt
Presidio	04/22/87	NTS	Shaft	Weapons Related	Less than 20 kt
Priscilla	06/24/57	NTS	Balloon	Weapons Related	37 kt
Project 56 No. 1	11/01/55	NTS	Surface	Safety Experiment	Zero
Project 56 No. 2	11/03/55	NTS	Surface	Safety Experiment	Zero

	United Sta	states Nuclear Detonations	tonations -	. By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Project 56 No. 3	11/05/55	NTS	Surface	Safety Experiment	Diaiy on
Project 56 No. 4	01/18/56	NTS	Surface	Safety Experiment	Very slight
Project 57 No. 1	04/24/57	NAFR	Surface	Safety Experiment	Zero
Puce	06/10/66	NTS	Shaft	Weapons Related	Less than 20 kt
Puddle	11/26/74	NTS	Shaft	Safety Experiment	Less than 20 kt
Purple	03/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
Purse	05/07/69	NTS	Shaft	Weapons Related	20 to 200 kt
Puye	08/14/74	NTS	Shaft	Weapons Related	Less than 20 kt
Pyramid	04/16/80	NTS	Shaft	Weapons Related	20 to 150 kt
Quargel	11/18/78	NTS	Shaft	Joint US-UK	20 to 150 kt
Quay	10/10/58	NTS	Tower	Weapons Related	79 tons
Queso	08/11/82	NTS	Shaft	Weapons Related	Less than 20 kt
Questa	05/04/62	Christmas Island area	Airdrop	Weapons Related	670 kt
Quince	08/06/58	Enewetak	Surface	Weapons Related	Zero
Quinella	02/08/79	NTS	Shaft	Weapons Related	20 to 150 kt
Raccoon	06/01/62	NTS	Shaft	Weapons Related	Low
Rack	08/15/68	NTS	Shaft	Weapons Related	Less than 20 kt
Rainier	09/19/57	NTS	Tunnel	Weapons Related	1.7 kt
Randsburg	07/25/90	NTS	Tunnel	Weapons Related	Less than 20 kt
Rantan	09/06/62	NTS	Shaft	Weapons Related	Low
Ray	04/11/53	NTS	Tower	Weapons Related	200 tons
Reblochon	02/23/78	NTS	Shaft	Weapons Related	20 to 150 kt
Red Hot	03/02/66	NTS	Tunnel	Weapons Effects	Less than 20 kt
Redmud	12/08/76	NTS	Shaft	Weapons Related	Less than 20 kt
Redwood	06/27/58	Bikini	Barge	Weapons Related	412 kt
Reo	01/22/66	NTS	Shaft	Weapons Related	Less than 20 kt
Rex	02/24/66	NTS	Shaft	Weapons Related	19 kt
Rhyolite	06/22/88	NTS	Shaft	Weapons Related	Less than 150 kt
Rib	12/14/77	NTS	Shaft	Weapons Related	Less than 20 kt
Rickey	06/15/68	NTS	Shaft	Weapons Related	20 to 200 kt
Rinconada	06/15/62	Christmas Island area	Airdrop	Weapons Related	800 kt

	United Sta	tates Nuclear Detonations	tonations	By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Ringtail	12/17/61	NTS	Shaft	Weapons Related	Low
Rio Arriba	10/18/58	NTS	Tower	Weapons Related	90 tons
Rio Blanco-1	05/17/73	Rifle, Colorado	Shaft	Plowshare	33 kt
Rio Blanco-2	05/17/73	Rifle, Colorado	Shaft	Plowshare	33 kt
Rio Blanco-3	05/17/73	Rifle, Colorado	Shaft	Plowshare	33 kt
Riola	09/25/80	NTS	Shaft	Weapons Related	1.07 kt
Rivet I	01/18/67	NTS	Shaft	Weapons Related	Less than 20 kt
Rivet II	01/26/67	NTS	Shaft	Weapons Related	Less than 20 kt
Rivet III	03/02/67	NTS	Shaft	Weapons Related	Less than 20 kt
Rivoli	05/20/76	NTS	Shaft	Weapons Related	Less than 20 kt
Roanoke	10/12/62	NTS	Shaft	Weapons Related	Low
Romano	12/16/83	NTS	Shaft	Weapons Related	20 to 150 kt
Romeo	03/26/54	Bikini	Barge	Weapons Related	11 Mt
Roquefort	10/16/85	NTS	Shaft	Weapons Related	20 to 150 kt
Rose	06/02/58	Enewetak	Barge	Weapons Related	15 kt
Rousanne	11/12/81	NTS	Shaft	Joint US-UK	20 to 150 kt
Rovena	08/10/66	NTS	Shaft	Weapons Related	Less than 20 kt
Rudder	12/28/76	NTS	Shaft	Weapons Related	20 to 150 kt
Rulison	09/10/69	Grand Valley, Colorado	Shaft	Plowshare	40 kt
Rummy	09/27/78	NTS	Shaft	Weapons Related	20 to 150 kt
Rushmore	10/22/58	SIN	Balloon	Weapons Related	188 tons
Russet	03/05/68	NTS	Shaft	Weapons Related	Less than 20 kt
Ruth	03/31/53	NTS	Tower	Weapons Related	200 tons
Sabado	08/11/83	NTS	Shaft	Weapons Related	Less than 20 kt
Sacramento	06/30/62	NTS	Shaft	Weapons Related	Low
Salmon	10/22/64	Hattiesburg, Mississippi	Shaft	Vela Uniform	5.3 kt
Salut	06/12/85	NTS	Shaft	Weapons Related	20 to 150 kt
San Juan	10/20/58	NTS	Shaft	Safety Experiment	Zero
Sandreef	11/09/77	NTS	Shaft	Weapons Related	20 to 150 kt
Sanford	10/26/58	NTS	Balloon	Weapons Related	4.9 kt
Santa Fe	10/30/58	NTS	Balloon	Weapons Related	1.3 kt

Date (GCT) Location Type Purpose 10/27/62 NTS Shaft Weapons Related 04/12/74 NTS Shaft Weapons Related 08/12/74 NTS Shaft Weapons Related 12/04/63 NTS Shaft Weapons Related 08/15/63 NTS Shaft Weapons Related 08/15/63 NTS Shaft Weapons Related 07/02/67 NTS Shaft Weapons Related 07/14/68 Enewetak Shaft Weapons Related 06/14/66 NTS Shaft Weapons Related 05/14/66 NTS Shaft <t< th=""><th></th><th>ם ביונים כי ביונים ב ביונים ביונים ביונים</th><th>omica orates itacieal Detollations</th><th></th><th></th><th></th></t<>		ם ביונים כי ביונים ב ביונים ביונים	omica orates itacieal Detollations			
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bourne 05/14/65 NTS Shaft Weapons Related ner 12/08/68 NTS Shaft Weapons Related nrs 12/12/68 NTS Shaft Weapons Related ner 05/23/67 NTS Shaft Weapons Related ner 09/01/65 NTS Shaft Weapons Related Altambra 10/13/70 NTS Shaft Weapons Related Chamois 10/13/70 NTS Shaft Weapons Related Chamois 10/13/70 NTS Shaft Weapons Related In 04/23/68 NTS Shaft Weapons Related In 11/13/69 NTS Shaft Safey Experiment ed-C 10/01/69 NTS Shaft Safey Experiment ed-C <td>Scantling</td> <td>08/19/77</td> <td>NTS</td> <td>Shaft</td> <td>Weapons Related</td> <td>20 to 150 kt</td>	Scantling	08/19/77	NTS	Shaft	Weapons Related	20 to 150 kt
bounne 05/13/88 NTS Shaft Weapons Related nnet 12/08/68 NTS Crater Plowshare ns 12/12/68 NTS Shaft Weapons Related n 05/23/67 NTS Shaft Weapons Related net 09/01/65 NTS Shaft Weapons Related Acajou 10/13/70 NTS Shaft Weapons Related Alambra 10/13/70 NTS Shaft Weapons Related Chamois 10/13/70 NTS Shaft Vela Uniform er 04/23/68 NTS Shaft Weapons Related in 11/13/69 NTS Shaft Weapons Related in 11/13/69 NTS Shaft Weapons Related in 11/13/69 NTS Shaft Safety Experiment ed-C 10/01/69 NTS Shaft Safety Experiment ed-C 10/01/69 NTS Shaft Safety Experiment ed-E	Scaup	05/14/65	NTS	Shaft	Weapons Related	Less than 20 kt
niet 12/08/68 NTS Crater Plowshare ns 12/12/68 NTS Shaft Weapons Related ner 05/23/67 NTS Shaft Weapons Related ner 09/01/65 NTS Shaft Weapons Effects Acajou 10/13/70 NTS Shaft Weapons Related Alambra 10/13/70 NTS Shaft Weapons Related Chamois 10/13/70 NTS Shaft Weapons Related Chamois NTS Shaft Weapons Related Im 04/23/68 NTS Shaft Weapons Related Im 11/13/69 NTS Shaft Weapons Related Im 11/13/69 NTS Shaft Weapons Related Im 11/17/77 NTS Shaft Weapons Related Im 11/17/77 NTS Shaft Syperiment Im 11/17/77 NTS Shaft Syperiment Im 10/01/69 NTS <td>Schellbourne</td> <td>05/13/88</td> <td>NTS</td> <td>Shaft</td> <td>Weapons Related</td> <td>Less than 150 kt</td>	Schellbourne	05/13/88	NTS	Shaft	Weapons Related	Less than 150 kt
Instruction Instruction Instruction Shaft Instruction 05/23/67 NTS Shaft Adajou 10/13/70 NTS Shaft Adhambra 10/13/70 NTS Shaft Chamois 10/13/70 NTS Shaft er 04/23/68 NTS Shaft in 11/13/69 NTS Shaft in 11/13/69 NTS Shaft in 11/13/69 NTS Shaft in 11/13/69 NTS Shaft in 11/17/77 NTS Shaft ed-C 10/01/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft in 10/01/69 NTS Shaft in 10/01/69 NTS Shaft in 10/01/69 NTS Shaft in	Schooner	12/08/68	NTS	Crater	Plowshare	30 kt
ner 05/23/67 NTS Shaft Acajou 10/13/70 NTS Shaft Ahhambra 10/13/70 NTS Shaft Chamois 10/13/70 NTS Shaft er 04/23/68 NTS Shaft er 08/19/77 NTS Shaft unt 11/13/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft o2/25/81 NTS Shaft NTS	Scissors	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Acajou IO/13/70 NTS Shaft Alhambra 10/13/70 NTS Shaft Chamois 10/13/70 NTS Shaft Chamois 04/23/68 NTS Shaft er 08/19/77 NTS Shaft in 11/13/69 NTS Shaft in 11/13/69 NTS Shaft ed-B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft o7/06/62 NTS Shaft NTS	Scotch	05/23/67	NTS	Shaft	Weapons Related	155 kt
Acajou 10/13/70 NTS Shaft Alhambra 10/13/70 NTS Shaft Chamois 10/13/70 NTS Shaft er 04/23/68 NTS Shaft er 08/19/77 NTS Shaft um 11/13/69 NTS Shaft ed B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft o2/25/81 NTS Shaft NTS	Screamer	09/01/65	NTS	Shaft	Weapons Effects	Less than 20 kt
Alhambra 10/13/70 NTS Shaft Chamois 10/13/70 NTS Shaft er 08/19/77 NTS Shaft er 08/19/77 NTS Shaft unt 11/13/69 NTS Shaft ed-B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft OZ/25/81 NTS Shaft NTS	Scree-Acajou	10/13/70	NTS	Shaft	Weapons Related	Less than 20 kt
Chamois 10/13/70 NTS Shaft er 04/23/68 NTS Shaft in 11/13/69 NTS Shaft bunt 12/13/73 NTS Shaft ed-B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft o2/25/81 NTS Shaft NTS	Scree-Alhambra	10/13/70	NTS	Shaft	Weapons Related	Less than 20 kt
er 04/23/68 NTS Shaft am 11/13/69 NTS Shaft am 12/13/73 NTS Shaft ed B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft o2/25/81 NTS Shaft OTABEL	Scree-Chamois	10/13/70	NTS	Shaft	Safety Experiment	Less than 20 kt
er 08/19/77 NTS Shaft am 11/13/69 NTS Shaft bunt 11/13/77 NTS Shaft ed B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft O2/25/81 NTS Shaft Crater	Scroll	04/23/68	NTS	Shaft	Vela Uniform	Less than 20 kt
am 11/13/69 NTS Shaft bunt 12/13/73 NTS Shaft ed B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft O2/25/81 NTS Shaft Crafer	Scupper	08/19/77	NTS	Shaft	Weapons Related	Less than 20 kt
aunt 12/13/73 NTS Shaft ed B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft O2/25/81 NTS Shaft Crater	Scuttle	11/13/69	NTS	Shaft	Weapons Related	1.7 kt
ed B 11/17/77 NTS Shaft ed-C 10/01/69 NTS Shaft ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft O2/25/81 NTS Shaft	Seafoam	12/13/73	NTS	Shaft	Weapons Related	Less than 20 kt
ed B 10/16/69 NTS Shaft ed-C 10/01/69 NTS Shaft ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft 02/25/81 NTS Shaft 07/06/62 NTS Crater	Seamount	11/17/77	NTS	Shaft	Weapons Related	Less than 20 kt
ed-C 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft 02/25/81 NTS Shaft 07/06/62 NTS Crafer	Seaweed B	10/16/69	NTS	Shaft	Safety Experiment	Less than 20 kt
ed-D 10/01/69 NTS Shaft ed-E 10/01/69 NTS Shaft 02/25/81 NTS Shaft 07/06/62 NTS Crater	Seaweed-C	10/01/69	NTS	Shaft	Safety Experiment	Less than 20 kt
ed-E 10/01/69 NTS Shaft O2/25/81 NTS Shaft O7/06/62 NTS Crater	Seaweed-D	10/01/69	NTS	Shaft	Safety Experiment	Less than 20 kt
02/25/81 NTS Shaft 07/06/62 NTS Crater	Seaweed-E	10/01/69	NTS	Shaft	Safety Experiment	Less than 20 kt
07/06/62 NTS Crater	Seco	02/25/81	NTS	Shaft	Weapons Related	Less than 20 kt
Clare	Sedan	07/06/62	NTS	Crater	Piowshare	104 kt

	United Sta	tates Nuclear Detonations	tonations	By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Seersucker	02/19/65	NTS	Shaft	Weapons Related	Less than 20 kt
Seminole	06/06/56	Enewetak	Surface	Weapons Related	13.7 kt
Sepia	11/12/65	NTS	Shaft	Weapons Related	Less than 20 kt
Sequoia	07/01/58	Enewetak	Barge	Weapons Related	5.2 kt
Serena	07/25/85	NTS	Shaft	Weapons Related	20 to 150 kt
Serpa	12/17/80	NTS	Shaft	Joint US-UK	20 to 150 kt
Sevilla	06/25/68	SIN	Shaft	Weapons Related	Less than 20 kt
Seyval	11/12/82	SIN	Shaft	Weapons Related	Less than 20 kt
Shallows	02/26/76	NTS	Shaft	Weapons Related	Less than 20 kt
Shaper	03/23/70	NTS	Shaft	Weapons Related	20 to 200 kt
Shasta	18/21/80	NTS	Tower	Weapons Related	17 kt
Shave	01/22/69	NTS	Shaft	Weapons Related	Less than 20 kt
Sheepshead	09/26/79	SIN	Shaft	Weapons Related	20 to 150 kt
Shoal	10/26/63	Fallon, Nevada	Shaft	Vela Uniform	12 kt
Shrew	09/16/61	SIN	Shaft	Weapons Related	Low
Shuffle	04/18/68	SIN	Shaft	Weapons Related	20 to 200 kt
Sidecar	12/13/66	NTS	Shaft	Weapons Related	Less than 20 kt
Sienna	01/18/66	NTS	Shaft	Weapons Related	Less than 20 kt
Silene	06/28/73	NTS	Shaft	Weapons Related	Less than 20 kt
Simms	11/05/66	SIN	Shaft	Plowshare	Less than 20 kt
Simon	04/25/53	NTS	Tower	Weapons Related	43 kt
Sled	08/29/68	NTS	Shaft	Weapons Related	20 to 200 kt
Small Boy	07/14/62	NTS	Tower	Weapons Effects	Low
Smoky	08/31/57	NTS	Tower	Weapons Related	44 kt
Snubber	04/21/70	NTS	Shaft	Weapons Effects	12.7 kt
Socorro	10/22/58	NTS	Balloon	Weapons Related	6 kt
Solano	08/09/72	NTS	Shaft	Safety Experiment	Less than 20 kt
Solanum	12/14/72	NTS	Shaft	Weapons Related	Less than 20 kt
Solendon	02/12/64	NTS	Shaft	Weapons Related	Less than 20 kt
Spar	12/19/73	NTS	Shaft	Safety Experiment	Less than 20 kt
Spider-A	08/14/69	NTS	Shaft	Weapons Related	Less than 20 kt

	United Stat	states Nuclear Detonations	conations	By Name	
Detonation Name	Date (GCT)	Location	Туре	esoding	Yield Range
Spider-B	08/14/69	NTS	Shaft	Weapons Related	Less than 20 kt
Spoon	09/11/64	NTS	Shaft	Weapons Related	Less than 20 kt
Sprit	11/10/76	NTS	Shaft	Weapons Related	Less than 20 kt
Spud	07/17/68	NTS	Shaft	Weapons Related	Less than 20 kt
St. Lawrence	11/09/62	NTS	Shaft	Weapons Related	Low
Staccato	01/19/68	NTS	Shaft	Weapons Related	20 to 200 kt
Stanley	07/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
Stanyan	09/26/74	NTS	Shaft	Weapons Related	20 to 200 kt
Starfish Prime	07/09/62	Johnston Island area	Rocket	Weapons Effects	1.4 Mt
Starwort	04/26/73	NTS	Shaft	Weapons Related	90 kt
Sterling	12/03/66	Hattiesburg, Mississippi	Shaft	Vela Uniform	380 tons
Stillwater	02/08/62	NTS	Shaft	Weapons Related	3.07 kt
Stilt	12/15/67	NTS	Shaft	Weapons Related	Less than 20 kt
Stilton	06/03/75	NTS	Shaft	Weapons Related	20 to 200 kt
Stinger	03/22/68	NTS	Shaft	Weapons Related	20 to 200 kt
Stoat	01/09/62	NTS	Shaft	Weapons Related	5.1 kt
Stoddard	09/17/68	NTS	Shaft	Plowshare	20 to 200 kt
Stokes	08/07/57	NTS	Balloon	Weapons Related	19 kt
Stones	05/22/63	NTS	Shaft	Weapons Related	Intermediate
Strait	03/17/76	NTS	Shaft	Weapons Related	200 to 500 kt
Strake	08/04/77	NTS	Shaft	Weapons Related	20 to 150 kt
Sturgeon	04/15/64	NTS	Shaft	Weapons Related	Less than 20 kt
Stutz	04/06/66	NTS	Shaft	Weapons Related	Less than 20 kt
Suede	03/20/65	NTS	Shaft	Weapons Related	Less than 20 kt
Sugar	11/19/51	NTS	Surface	Weapons Effects	1.2 kt
Sulky	12/18/64	NTS	Shaft	Plowshare	92 tons
Sundown-A	09/50/90	NTS	Shaft	Safety Experiment	Less than 20 kt
Sundown-B	09/20/90	NTS	Shaft	Safety Experiment	Less than 20 kt
Sunset	07/10/62	Christmas Island area	Airdrop	Weapons Related	1 Mt
Sutter	12/21/76	NTS	Shaft	Weapons Related	Less than 20 kt
Swanee	05/14/62	Christmas Island area	Airdrop	Weapons Related	97 kt

	United S	States Nuclear Detonations -	tonations	By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Switch	06/22/67	NTS	Shaft	Plowshare	Less than 20 kt
Swordfish	05/11/62	Pacific	Underwater	Weapons Effects	Low
Sycamore	05/31/58	Bikini	Barge	Weapons Related	92 kt
Табі	07/25/80	NTS	Shaft	Weapons Related	20 to 150 kt
Tahoka	08/13/87	NTS	Shaft	Weapons Related	20 to 150 kt
Tajique	06/28/72	NTS	Shaft	Weapons Related	Less than 20 kt
Тајо	98/50/90	NTS	Shaft	Weapons Related	20 to 150 kt
Tamalpais	10/08/58	NTS	Tunneí	Weapons Related	72 tons
Tan	99/80/90	NTS	Shaft	Weapons Related	20 to 200 kt
Tanana	05/25/62	Christmas Island area	Airdrop	Weapons Related	2.6 kt
Tangerine	08/12/66	NTS	Shaft	Safety Experiment	Less than 20 kt
Tanya	07/30/68	NTS	Shaft	Weapons Related	20 to 200 kt
Tapestry	05/12/66	NTS	Shaft	Weapons Related	Less than 20 kt
Tapper	06/12/69	NTS	Shaft	Weapons Related	Less than 20 kt
Tarko	02/28/80	NTS	Shaft	Weapons Related	Less than 20 kt
Taunton	12/04/62	NTS	Shaft	Weapons Related	Low
Teak	08/01/58	Johnston Island area	Rocket	Weapons Effects	3.8 Mt
Techado	09/22/83	NTS	Shaft	Weapons Related	Less than 150 kt
Тее	05/07/65	NTS	Shaft	Weapons Effects	7 kt
Tejon	05/17/63	NTS	Shaft	Safety Experiment	Low
Teleme	02/06/75	NTS	Shaft	Weapons Related	Less than 20 kt
Temescal	11/02/74	NTS	Shaft	Weapons Related	Less than 20 kt
Templar	03/24/66	NTS	Shaft	Plowshare	Less than 20 kt
Tenabo	10/12/90	NTS	Shaft	Weapons Related	20 to 150 kt
Tenaja	04/17/82	NTS	Shaft	Weapons Related	Less than 20 kt
Tendrac	12/07/62	NTS	Shaft	Joint US-UK	Low
Tern	01/29/65	NTS	Shaft	Weapons Related	Less than 20 kt
Terrine-White	12/18/69	NTS	Shaft	Weapons Related	20 to 200 kt
Terrine-Yellow	12/18/69	NTS	Shaft	Weapons Related	20 to 200 kt
Tesla	03/01/55	NTS	Tower	Weapons Related	7 kt
Теwа	07/20/56	Bikini	Barge	Weapons Related	5 Mt

		United States Nuclear Detonations	tonations	By Name	
Detonation Name	Date (GCT)	Location	Туре	Purpose	Yield Range
Texarkana	02/10/89	NTS	Shaft	Weapons Related	20 to 150 kt
Thistle	04/30/69	NTS	Shaft	Weapons Related	20 to 200 kt
Throw	04/10/68	NTS	Shaft	Weapons Related	Less than 20 kt
Ticking	08/21/65	NTS	Shaft	Weapons Related	Less than 20 kt
Tierra	12/15/84	NTS	Shaft	Weapons Related	20 to 150 kt
Tightrope	11/04/62	Johnston Island area	Rocket	Weapons Effects	Low
Tijeras	10/14/70	NTS	Shaft	Weapons Related	20 to 200 kt
Tilci	11/11/81	NTS	Shaft	Weapons Related	20 to 150 kt
Tinderbox	11/22/68	NTS	Shaft	Weapons Related	Less than 20 kt
Tiny Tot	06/17/65	NTS	Tunnel	Weapons Effects	Less than 20 kt
Tioga	10/18/62	NTS	Shaft	Weapons Related	Low
Titania	10/30/58	NTS	Tower	Safety Experiment	0.2 tons
Tobacco	05/30/58	Enewetak	Barge	Weapons Related	11.6 kt
Tomato	04/07/66	NTS	Shaft	Weapons Related	Less than 20 kt
Tomme/Midnight Zephyr	09/21/83	NTS	Tunnel	Weapons Effects	Less than 20 kt
Topgallant	02/28/75	NTS	Shaft	Weapons Related	20 to 200 kt
Topmast	03/23/78	NTS	Shaft	Weapons Related	Less than 20 kt
Torch	02/21/68	NTS	Shaft	Weapons Related	Less than 20 kt
Tornero	02/11/87	NTS	Shaft	Weapons Related	Less than 20 kt
Tornillo	10/11/63	NTS	Shaft	Plowshare	Low
Torrido	05/27/69	NTS	Shaft	Weapons Related	20 to 200 kt
Tortugas	03/01/84	NTS	Shaft	Weapons Related	20 to 150 kt
Towanda	05/02/85	NTS	Shaft	Weapons Related	20 to 150 kt
Toyah	03/15/63	NTS	Shaft	Weapons Related	Low
Transom	05/10/78	NTS	Shaft	Weapons Related	Zero
Traveler	05/04/66	NTS	Shaft	Weapons Related	Less than 20 kt
Trebbiano	09/04/81	NTS	Shaft	Weapons Related	Less than 20 kt
Trinity	07/16/45	Alamogordo, New Mexico	Tower	Weapons Related	21 kt
Trogon	07/24/64	NTS	Shaft	Weapons Related	Less than 20 kt
Truchas-Chacon	10/28/70	NTS	Shaft	Safety Experiment	Less than 20 kt
Truchas-Chamisal	10/28/70	NTS	Shaft	Safety Experiment	Less than 20 kt

Detonation Name Truchas-Rodarte					
Truchas-Rodarte	Date (GCT)	Location	Туре	Purpose	Yield Range
	10/28/70	NTS	Shaft	Weapons Related	Less than 20 kt
	06/09/62	Christmas Island area	Airdrop	Weapons Related	210 kt
Trumbull	09/26/74	NTS	Shaft	Weapons Related	Less than 20 kt
Tub-A	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
Tub-B	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
Tub-C	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
Tub-D	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
Tub-F	89/90/90	NTS	Shaft	Weapons Related	Less than 20 kt
Tulia	05/26/89	NTS	Shaft	Weapons Related	Less than 20 kt
Tuloso	12/12/72	NTS	Shaft	Weapons Related	Less than 20 kt
Tun-A	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
Tun-B	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
Tun-C	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
Tun-D	12/10/69	NTS	Shaft	Weapons Related	Less than 20 kt
Tuna	12/20/63	NTS	Shaft	Weapons Related	Low
Turf	04/24/64	NTS	Shaft	Weapons Related	20 to 200 kt
Turk	03/07/55	NTS	Tower	Weapons Related	43 kt
Turnstone	10/16/64	NTS	Shaft	Weapons Related	Less than 20 kt
Turquoise	04/14/83	NTS	Shaft	Weapons Related	Less than 150 kt
Tweed	05/21/65	NTS	Shaft	Weapons Related	Less than 20 kt
Туро	05/14/75	NTS	Shaft	Weapons Related	200 to 1000 kt
Туд-А	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Туд-В	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Туд-С	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Туд-D	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Tyg-E	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Туд-F	12/12/68	NTS	Shaft	Weapons Related	Less than 20 kt
Umber	06/29/67	NTS	Shaft	Weapons Effects	10 kt
Umbrella	06/08/58	Enewetak	Underwater	Weapons Effects	8 kt
Uncle	11/29/51	NTS	Crater	Weapons Effects	1.2 kt
Union	04/25/54	Bikini	Barge	Weapons Related	6.9 Mt

N N N N N N N N N N		Type Tunnel Shaft Shaft Shaft Shaft Shaft Tunnel Shaft Shaft Shaft Shaft Shaft	Purpose Safety Experiment Safety Experiment Safety Experiment Weapons Related	Yield Range Less than 1 ton 2 tons Less than 20 kt Less than 20 kt 20 to 150 kt Less than 20 kt Less than 20 kt Less than 20 kt Less than 20 kt
03/14/58 03/14/58 03/18/69 10/10/68 03/15/85 04/25/73 02/22/58 06/19/92 07/31/80 07/31/80 07/31/80 07/31/80 07/31/80 07/31/80 07/31/80 07/31/80 07/14/67 07/14/67 03/03/65 06/16/58 06/14/58 06/14/58 06/14/58 06/18/55 trime 03/29/55		Tunnel Shaft Shaft Shaft Tunnel Shaft Shaft Shaft Shaft Shaft Shaft	Safety Experiment Safety Experiment Safety Experiment Weapons Related	Less than 1 ton 2 tons Less than 20 kt Less than 20 kt 20 to 150 kt Less than 20 kt Less than 1 ton Less than 20 kt Less than 20 kt
10/10/68 10/10/68 10/10/68 10/10/68 10/10/68 10/12/85 11/12/66 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/84 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87 11/10/87		Shaft Shaft Shaft Shaft Tunnel Shaft Shaft Shaft Shaft Shaft Shaft	Safety Experiment Safety Experiment Weapons Related Weapons Related Safety Experiment Weapons Related Weapons Related Safety Experiment Weapons Related Safety Experiment	2 tons Less than 20 kt Less than 20 kt 20 to 150 kt Less than 20 kt Less than 1 ton Less than 20 kt Less than 20 kt
03/18/69 10/10/68 03/15/85 04/25/73 02/22/58 07/31/80 11/10/84 11/10/84 01/30/69 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/12/66 06/14/58 06/14/58 06/14/58 10/02/73 10/03/68		Shaft Shaft Shaft Tunnel Shaft Shaft Shaft Shaft Surface	Safety Experiment Weapons Related Weapons Related Safety Experiment Weapons Related Weapons Related Safety Experiment Weapons Related Safety Experiment Weapons Related	Less than 20 kt Less than 20 kt 20 to 150 kt Less than 20 kt Less than 1 ton Less than 20 kt Less than 20 kt
10/10/68 03/15/85 04/25/73 02/22/58 07/31/80 10/02/84 10/17/58 06/19/92 04/30/81 11/10/84 11/10/84 01/30/69 07/14/67 06/25/66 12/01/87 06/14/58 06/14/58 06/14/58 10/02/73 11/10/84		Shaft Shaft Tunnel Shaft Shaft Shaft Surface Shaft	Weapons Related Weapons Related Safety Experiment Weapons Related Weapons Related Safety Experiment Weapons Related Weapons Related	Less than 20 kt 20 to 150 kt Less than 20 kt Less than 1 ton Less than 20 kt Less than 20 kt
03/15/85 04/25/73 02/22/58 07/31/80 07/31/80 07/31/80 07/31/80 06/19/92 06/19/92 06/12/85 06/12/85 06/12/85 06/12/85 06/12/85 06/12/87 06/12/87 06/12/88 06/14/58 06/14/58 06/14/58 06/14/58 06/14/58 06/14/58 06/14/58 06/18/55 time 09/29/58		Shaft Shaft Tunnel Shaft Surface Shaft	Weapons Related Safety Experiment Weapons Related Weapons Related Safety Experiment Weapons Related Weapons Related	20 to 150 kt Less than 20 kt Less than 1 ton Less than 20 kt Less than 20 kt
04/25/73 02/22/58 07/31/80 10/02/84 10/17/58 06/19/92 04/30/81 11/10/84 01/30/69 05/14/67 06/25/66 12/01/87 03/03/65 06/14/58 06/14/58 06/14/58 06/14/58 06/14/58 06/18/55 06/18/55 06/18/55 06/18/55		Shaft Tunnel Shaft Shaft Surface Shaft	Weapons Related Safety Experiment Weapons Related Safety Experiment Weapons Related	Less than 20 kt Less than 1 ton Less than 20 kt Less than 20 kt
02/22/58 07/31/80 10/02/84 11/17/58 06/19/92 04/30/81 11/122/66 06/12/85 11/10/84 01/30/69 07/14/67 06/12/85 11/10/87 03/03/65 06/14/58 06/14/58 06/14/58 irine 08/10/67		Tunnel Shaft Surface Shaft	Safety Experiment Weapons Related Weapons Related Safety Experiment Weapons Related	Less than 1 ton Less than 20 kt Less than 20 kt
07/31/80 10/02/84 10/17/58 10/17/58 06/19/92 04/30/81 11/10/84 01/30/69 07/14/67 06/25/66 12/01/87 03/03/65 03/03/65 06/14/58 10/02/73 06/14/58 02/08/67 08/10/67 11/10/84		Shaft Shaft Surface Shaft	Weapons Related Weapons Related Safety Experiment Weapons Related	Less than 20 kt Less than 20 kt
10/02/84 10/17/58 06/19/92 04/30/81 11/122/66 06/12/85 11/10/84 01/30/69 07/14/67 03/03/65 05/16/58 10/02/73 06/14/58 irine 08/10/67		Shaft Surface Shaft	Weapons Related Safety Experiment Weapons Related Weapons Related	Less than 20 kt
10/17/58 06/19/92 04/30/81 11/22/66 06/12/85 11/10/84 01/30/69 07/14/67 06/25/66 12/01/87 03/03/65 05/16/58 10/02/73 06/14/58 02/08/67 08/10/67 08/10/67		Surface Shaft	Safety Experiment Weapons Related	
06/19/92 04/30/81 11/22/66 06/12/85 11/10/84 01/30/69 07/14/67 03/03/65 03/03/65 06/14/58 02/08/67 02/08/67 02/18/55 time 03/29/55		Shaft	Weapons Related	24 tons
o 04/30/81 11/22/66 06/12/85 11/10/84 01/30/69 07/14/67 06/25/66 12/01/87 iil 03/03/65 o 05/16/58 tt 06/14/58 er 06/14/58 Prime 03/29/55		Shaff	Weapons Belated	Less than 20 kt
11/22/66 06/12/85 11/10/84 01/30/69 07/14/67 01/30/69 07/14/67 06/25/66 12/01/87 o 06/25/66 tt 06/14/58 er 06/14/58 er 08/10/67 er 08/10/67 er 10/03/68				Less than 20 kt
o 06/12/85 11/10/84 01/30/69 07/14/67 06/25/66 12/01/87 iil 03/03/65 o 05/16/58 tt 06/14/58 er 02/08/67 er 08/10/67 Prime 03/29/55		Shaft	Safety Experiment	Less than 20 kt
11/10/84 01/30/69 07/14/67 06/25/66 12/01/87 iii 06/25/66 iii 03/03/65 o 05/16/58 it 06/14/58 er 02/08/67 er 08/10/67 Frime 03/29/55		Shaft	Weapons Related	Less than 20 kt
o 01/30/69 n 07/14/67 n 06/25/66 12/01/87 iil 03/03/65 o 05/16/58 tt 06/14/58 er 02/08/67 er 08/10/67 Prime 03/29/55		Shaft	Weapons Related	Less than 20 kt
o 06/25/66 uil 06/25/66 o 05/16/58 o 10/02/73 It 06/14/58 er 02/08/67 Prime 03/29/55		Shaft	Weapons Related	20 to 200 kt
o 06/25/66 12/01/87 o 03/03/65 o 05/16/58 tt 06/14/58 er 08/10/67 Prime 03/29/55		Shaft	Safety Experiment	Less than 20 kt
nil 03/03/65 o 05/16/58 rt 06/14/58 er 08/10/67 Prime 03/29/55		Shaft	Plowshare	25 kt
o 05/16/58 r. 10/02/73 tt 06/14/58 er 06/14/58 Prime 03/29/55 Prime 10/03/68		Shaft	Weapons Related	Less than 20 kt
o 05/16/58 10/02/73 It 06/14/58 er 02/08/67 er 08/10/67 Prime 03/29/55		Shaft	Weapons Related	20 to 200 kt
tt 06/14/58 er 06/14/58 er 02/08/67 er 08/10/67 Prime 03/29/55		Underwater	Weapons Effects	9 Kt
er 06/14/58 02/08/67 er 08/10/67 Prime 03/29/55 10/03/68		Shaft	Weapons Related	Less than 20 kt
er 02/08/67 08/10/67 08/10/67 02/18/55 Prime 03/29/55 10/03/68		Barge	Weapons Related	1.45 Mt
r 08/10/67 02/18/55 03/29/55 10/03/68		Shaft	Weapons Related	Less than 20 kt
7 02/18/55 02/18/55 03/29/55 10/03/68		Shaft	Weapons Related	Less than 20 kt
Prime 03/29/55 10/03/68		Airdrop	Weapons Effects	1 XT
10/03/68		Airdrop	Weapons Related	3 kt
	10/03/68 NTS	Shaft	Safety Experiment	Less than 20 kt
Wembley 06/05/68 NTS		Shaft	Weapons Related	Less than 20 kt
Wexford 08/30/84 NTS		Shaft	Weapons Related	Less than 20 kt
Wheeler 09/06/57 NTS		Balloon	Weapons Related	197 tons

	United S	States Nuclear Detonations	onations	By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
White	05/25/62	NTS	Shaft	Weapons Related	Low
Whiteface-A	12/20/89	NTS	Shaft	Safety Experiment	Less than 20 kt
Whiteface-B	12/20/89	NTS	Shaft	Safety Experiment	Less than 20 kt
Whitney	09/23/57	NTS	Tower	Weapons Related	19 kt
Wichita	07/27/62	NTS	Shaft	Weapons Related	Low
Wigwam	05/14/55	Pacific	Underwater	Weapons Effects	30 kt
Wilson	06/18/57	NTS	Balloon	Weapons Related	10 kt
Winch	02/04/69	NTS	Shaft	Weapons Related	Less than 20 kt
Wineskin	01/15/69	. STN	Shaft	Weapons Related	20 to 200 kt
Wishbone	02/18/65	SIN	Shaft	Weapons Effects	Less than 20 kt
Wolverine	10/12/62	NTS	Shaft	Weapons Related	Low
Wool	01/14/65	SIN	Shaft	Weapons Related	Less than 20 kt
Worth	10/25/67	NTS	Shaft	Weapons Related	Less than 20 kt
Wrangell	10/22/58	NTS	Balloon	Weapons Related	115 tons
X-ray	04/14/48	Enewetak	Tower	Weapons Related	37 kt
Yankee	05/04/54	Bikini	Barge	Weapons Related	13.5 Mt
Yannigan-Blue	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Yannigan-Red	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Yannigan-White	02/26/70	NTS	Shaft	Weapons Related	20 to 200 kt
Yard	29/02/60	NTS	Shaft	Weapons Related	20 to 200 kt
Yellowwood	05/26/58	Enewetak	Barge	Weapons Related	330 kt
Yerba	12/14/71	NTS	Shaft	Weapons Related	Less than 20 kt
Yeso	06/10/62	Christmas Island area	Airdrop	Weapons Related	3 Mt
Yoke	04/30/48	Enewetak	Tower	Weapons Related	49 kt
York	08/24/62	NTS	Shaft	Weapons Related	Low
Yuba	06/05/63	NTS	Tunnel	Weapons Related	3.1 kt
Yucca	04/28/58	Pacific	Balloon	Weapons Effects	1.7 kt
Yukon	05/08/62	Christmas Island area	Airdrop	Weapons Related	100 kt
Yuma	05/27/56	Enewetak	Tower	Weapons Related	190 tons
Zaza	09/27/67	NTS	Shaft	Weapons Related	20 to 200 kt
Zebra	05/14/48	Enewetak	Tower	Weapons Related	18 kt

	United S	United States Nuclear Detonations By Name	onations	By Name	
Detonation Name	Date (GCT)	Location	Type	Purpose	Yield Range
Zinnia	05/17/72	NTS	Shaft	Weapons Related	Less than 20 kt
Zucchini	05/15/55	NTS	Tower	Weapons Related	28 kt
Zuni	05/27/56	Bikini	Surface	Weapons Related	3.5 Mt